

ARUNKUMAR

728 Samba Sada Shiv, Venkataraman Colony, Gokul Plots, KPHB Phase 9, Hyderabad-500085
☎ (+91) 7019057826 | ✉ arunkongi@gmail.com | 🌐 arunkumar-kongi-59bab44a



Work Experience

Gokaraju Rangaraju Institute of Engineering and Technology (Affiliated to JNTU)

Assistant Professor, Dept. of CSE

Hyderabad, Telangana

Dec.2021-present

Central University of Karnataka (Established by an Act of Parliament, MHRD, GoI)

Assistant Professor, Dept. of CSE, Contractual

Kalaburagi, Karnataka

Aug.2017 - Dec 2021

AMC Engineering College (Affiliated to Visvesvaraya Technological University)

Asistant Professor, Dept of CSE

Bengaluru, Karnataka

Jan. 2015 - Aug. 2017

Education

Ph.D (Pursuing)

Part time - AMCEC Research Center, Visvesvaraya Technological University

Bengaluru

2017-present

M.Tech in Computer Science & Engineering

AMC Engineering College (Affiliated to Visvesvaraya Technological University)

Percentage: 81%

Bengaluru, Karnataka

2012-2014

B.Tech in Information Science & Engineering

City Engineering College (Affiliated to Visvesvaraya Technological University)

Percentage: 75%

Bengaluru, Karnataka

2008-2012

PUC (12th)

Govt. PU College, Bhimarayangudi (Dept. of Pre University Education, Karnataka)

Percentage: 66.33%

Shahapur, Karnataka

2006-2008

SSLC (10th)

Santhapala High School (Karnataka Secondary Education Examination Board)

Percentage: 80%

Shahapur, Karnataka

2005-2006

Other Qualifications

UGC-NET National Eligibility Test Qualified in 2018

K-SET Karnataka State Eligibility Test for Lecturership Qualified in 2017

Skills

Programming C, C++, JAVA, Python, LaTeX, Arduino, C#

IDE Codeblocks, Spyder, Anaconda, Arduino IDE, DEV C++, Turbo C++, Eclipse, Android Studio

Back-end MYSQL, MongoDB, Django, REST API, PHP, Perl

Front-end HTML5, Wordpress, CSS, Javascript, Angular JS

Languages English, Kannada, Hindi, Telugu

Publications

- **“Security Framework for Near Field Communication Enabled Devices and it’s Applications- A Survey”** International Journal of Management, Technology and Engineering (IJMTE) Volume 9 Issue 5, UGC No: 45550, ISSN No: 2249-7455
- **“LEAF Automation using Near Field Communication”** International Journal of Engineering Research and Technology (IJERT) Volume 5 Issue 19, ISSN No: 2278-0181
- **“Touch Driven Interaction Via NFC Enabled Smartphone”** International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE) Volume 2 Issue 4, ISSN No:2320-9801

Research Interests

Near Field Communication, Internet of Things, Information Security, Machine Learning

FDP/Workshops attended

- **“A+ Certificate”** from **Infosys FDP 4.0** held at RMK Engineering College, Chennai
- **“FDP on Data Analytics using SPSS”** held at Central University of Karnataka, Kalaburagi
- Conducted **“Cyber Physical Systems Lab”** at **IIT Hyderabad** for the students of CST Dept., Central University of Karnataka, Kalaburagi
- **“Software Testing and Quality Analysis”** workshop conducted by Sumadhava Technologies at AMC Engineering College, Bangalore
- **“Raspberry Pi”** workshop at AMC Engineering College, Bangalore
- **“Introduction to C# and ADO.NET Programming”** workshop at AMC Engineering College, Bangalore

Paper Presentations

- **“Smart Control for Internet of Things Using NFC based Applications”** (ICCTCSE 2014), AMC Engineering College, Bengaluru
- **“Implementation of Session Passwords for Authentication Schemes”** (ICACIT 2013), AMC Engineering College, Bengaluru

Academic Projects

Security Framework for NFC enabled devices and it’s applications

(Ph.D)

2017-present

- The Near Field Communication (NFC) is an emerging technology that targets communication between two electronic devices within 10 to 20 centimeters.
- NFC services are subject to store and manage user’s private and monetary information, So the security of NFC is to be analyzed.
- The objective is to propose a security framework to prevent various attacks on Near Field communication and also to explore multiple NFC service domains such as NFC tags, NFC SE’s and communication.

Smart Control for IoT (Internet of Things) Using NFC Based Applications.

(M.Tech)

2014

- NFC is an extension of RFID i.e. it is capable of two way communication. Hence it is suitable for more complex interactions such as card Emulation for payments.
- Integration of NFC technology with smart phones which consists of mobility, high processing power, internet access ability has a great potential to bring new opportunities in our lives.

Resilient Online Coverage for Surveillance Applications

(B.Tech)

2012

- Aims at rapidly restoring field coverage under unexpected sensor failures in an energy-efficient manner.
- Resilient Online Coverage (ROC) framework allows every sensor to control the degree of redundancy and surveillance in its region according to current network conditions.

Achievements

- “Implemented MOODLE Learning Platform @ GRIET” for 1st year students and got appreciation letter for the same.
- “Mentor in SMART INDIA HACKATHON 2017” at Noida, Delhi, Organized by MHRD. Govt. of India
- “Best Performer Felicitation” in the Dept. of CST by Honorable VC and Pro VC of Central University of Karnataka for the academic year 2017-18
- “Developed Central Library Website” for Central University of Karnataka
- “Produced 100% results in VTU External Examinations” for the Subjects Programming in C++, Data Structures & Applications and Programming the web at AMC Engineering College, Bengaluru

Academic Activities

2021	MOODLE Coordinator, for Dept. of CSE, Gokaraju Rangaraju Institute of Engineering and Technology
2020	Prepared ”ASP.NET Lab Course”, for Dept. of CST, Central University of Karnataka
2019	Prepared ”Advanced Java Lab Course”, for Dept. of CST, Central University of Karnataka
2018	Prepared ”Information Security Lab Course”, for Dept. of CST, Central University of Karnataka
2018	Prepared ”Data Structures Lab Course”, for Dept. of CST, Central University of Karnataka
2018	Coordinator, Python Workshop, Central University of Karnataka
2018	Curriculum Development Committee Member, Int. M.Tech, Dept. of CST, Central University of Karnataka
2017	Prepared ”Machine Learning Lab Course”, for Dept. of CST, Central University of Karnataka
2017	Conference Proceedings Editor, ICPCN 2017, AMC Engineering College
2017	University Examination Coordinator, Dept. of CSE, AMC Engineering College
2016	NAAC Coordinator, AMC Engineering College
2016	Conference Proceedings Editor, ICACT 2016, Dept. of CSE, AMC Engineering College
2016	LIC (Local Inspection Committee) Coordinator, AMC Engineering College
2015	Conference Proceedings Editor, ICCNIP 2015, Dept. of CSE, AMC Engineering College

Projects Guided (PG)

A New Age Encryption Technique to Conceal IOT based data through steganography and blockchain Saiteja Reddy (2015IEN01), Dept. of CST, Central University of Karnataka	<i>Integrated M.Tech</i> 2020
Machine Learning Methods for Disease Prediction with Claims Data Priya Mane (2014IEN09), Dept. of CST, Central University of Karnataka	<i>Integrated M.Tech</i> 2019
Perceiving & Analyzing High Impact of Weather Change on Transport in Urban Regions Priyanka Reddy (2014IEN10), Dept. of CST, Central University of Karnataka	<i>Integrated M.tech</i> 2019
MCA Result Processing System Nikitha D H (2017MCA15), School of Computer Science, Central University of Karnataka	<i>MCA</i> 2019
Privacy Characterization and Quantification in Data Publishing Pooja K (2016MCA16), School of Computer Science, Central University of Karnataka	<i>MCA</i> 2019
A Knowledge based Resource Discovery for Internet of Things Deepa Jalihal (2013IEN12), Dept. of CST, Central University of Karnataka	<i>Integrated M.Tech</i> 2018
Secured data sharing in Cloud Computing using Revocable Storage Identity based Encryption Geeta Uppalli (2013IEN15), Dept. of CST, Central University of Karnataka	<i>Integrated M.Tech</i> 2018

Low overhead and High precision Prediction Model for content based Sensor Search in IoT

Preeti Harsoor (2013IEN25), Dept. of CST, Central University of Karnataka

Integrated M.tech

2018

SoloT: Towards a user centric IoT based Service Framework

Shivaleela (2013IEN34), Dept. of CST, Central University of Karnataka

Integrated M.tech

2018

Multi criteria IoT Resource Discovery

Shruti Wali (2013IEN36), Dept. of CST, Central University of Karnataka

Integrated M.tech

2018

Price Prediction of Bitcoin and Ethereum using Machine Learning

Gaurav Chatterjee(2014IEN07), Dept. of CST, Central University of Karnataka

Integrated B.tech

2018

Projects Guided (UG)

Crypto Currency System powered by Blockchain Technology

Saiteja Reddy (2015IEN01), Dept. of CST, Central University of Karnataka

Integrated B.Tech

2019

Price Prediction of Bitcoin and Ethereum using Machine Learning

Gaurav Chatterjee(2014IEN07), Dept. of CST, Central University of Karnataka

Integrated B.tech

2018

Cyber Bullying Detection based On Semantic Enhanced Marginalized De-Noiseing AutoEncoder

Priya Mane(2014IEN09), Dept. of CST, Central University of Karnataka

Integrated B.tech

2018

Patient Health Monitoring System

Supriya Hosmani (2014IEN13), Dept. of CST, Central University of Karnataka

Integrated B.tech

2018

Language Identification using Deep Neural Network

Karthikeya Singh (2014IEN08), Dept. of CST, Central University of Karnataka

Integrated B.tech

2018

Extracurricular Activities

Trainer for IEEE Student Branch

School of Engineering, Central University of Karnataka

Kalaburagi

Oct. 2019

- Conducted one day workshop on wheebox employability skill test for final year students

Volunteer for IEEE Student Branch

School of Engineering, Central University of Karnataka

Kalaburagi

Oct.2019

- Conducted Online Open quiz as a part of IEEE day Celebration

Culturual Coordinator - ANKUR Fest

School of Engineering, Central University of Karnataka

Kalaburagi

Jan.2019

TECH MANIA QUIZ

AMC Engineering College

Bengaluru

May. 2017

- awarded first prize in Tech mania quiz event during MELANGE Fest.

VTU Lab External Examiner

T.John Institute of Technology

Bengaluru

May. 2016

- Appointed as an examiner for practical examination for the subject EC and LD Lab

VTU Lab External Examiner

AMC Engineering College

Bengaluru

Nov. 2016

- Appointed as an examiner for practical examination for the subjects Computer Programming Lab, Web Programming Lab and Operating Systems Lab

Project Competition

Siddhartha Institute of Technology

- Participated in the Technodea-14 Project exhibition competition held at SSIT, Tumkur

Tumkur

May. 2014

Subjects Handled (Academic Yearwise)

- 2021-22** Principles of Problem Solving, PPS Lab, Data Structures, Data Structures lab
2020-21 Visual Programming with Lab, Scientific Writing Lab, Multimedia Communications, Embedded Systems
2019-20 Operating Systems, ADA with Lab, Adv Java with Lab
2018-19 Machine Learning with Lab, Java Programming, Data Structures with lab
2017-18 Information Security with lab, Web Programming, Cyber Physical Systems Lab
2016-17 Internet of Things, ADA with Lab, Machine Learning with Lab, Operating Systems, Computer Networks-I
2015-16 Management and Entrepreneurship, ADA, Programming the Web
2014-15 OOPs with C++, Programming in C++, Computer Networks-II

Personal Details

DOB: 07/07/1990

Gender: Male

Nationality: Indian

Hobbies: Singing, Football, Cricket, Badminton

Marital Status: Married

Declaration

I hereby declare that the information given above is true to the best of my knowledge. I will make it my earnest endeavor to discharge competently and carefully the duties you may be pleased to entrust with me.

Arunkumar