

ARUNKUMAR

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Work Experience

Gokaraju Rangaraju Institute of Engineering and Technology (Affiliated to JNTU)
Technical Trainer, Moodle Incharge and Examly Platform Coordinator @ T&P Cell

Hyderabad, Telangana
Dec.2021 -present

Central University of Karnataka (Established by an Act of Parliament, MHRD, Gov)
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, JAVA, Python, C++, LaTeX, Arduino, C#

IDE Codeblocks, Visual Studio Code, Spyder, Anaconda, Jupyter Notebook, Eclipse

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

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

Languages English, Kannada, Hindi, Telugu

Achievements

- “**Implemented MOODLE Learning Platform @ GRIET**” (<http://grietmoodle.com/moodle>) for 1st and 2nd year students and got appreciation letter for the same.
- “**Served as a Technical Trainer for IamNeo Examly Coding platform with admin roles @ GRIET**” for 2nd year training program.
- “**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

Experience with Moodle LMS & As a Technical Trainer

GRIET, Training and Placement Cell

Moodle Deployment, Configuration, Administration

Hyderabad

2022 – 2024

- Implemented **Moodle for first-year C Programming and Data Structures lab programs** with multiple test cases for hands-on coding practice.
- Maintained and enhanced Moodle with features to **restrict multiple logins and control access via IP filtering**.
- Created **Python training content and led online sessions** for first-year students using Moodle.
- **Upgraded coding questions by hiding test cases and using code stubs** in Moodle to promote logical thinking.
- Developed and delivered a comprehensive Java training course for second-year students, conducting weekly in-person sessions for 200–250 students.
- Redesigned the Moodle front page for user-friendly navigation and integrated a **new announcement section**.
- **Created Java academic lab coding problems in Moodle** with custom test cases and auto-evaluation.
- Conducted hands-on workshops for Java lab faculty on using Moodle, creating test cases, and conducting lab exams via Moodle.
- Conducted preliminary **Java foundation sessions three times a week for 200–300 students on campus**, prior to company-specific training.
- Conducted mock company assessments and Python tests for first-year students in Moodle.

GRIET IamNeo Examly Coding Platform. <https://griet251.examly.io/login>

Hyderabad

Chief Technical Trainer – Java Programming, DSA with Java

2024 – Present

- Delivered Java programming training for second-year students on the IamNeo Examly platform, covering multiple levels of the courses.
- As Chief Content Manager on the IamNeo platform, **oversaw the verification of coding problems**, including test cases, constraints, and inconsistencies in problem descriptions and solutions.
- Performed administrative tasks on the IamNeo Examly platform, including enrolling students into courses, scheduling coding problems, conducting weekly coding assessments, and maintaining performance reports.

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

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

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 (IJIRCCE) 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
- Attended the Wipro Certified Faculty training program on Wipro's Project Based Learning framework in Java FullStack.
- "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.

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

Integrated M.Tech

2020

Machine Learning Methods for Disease Prediction with Claims Data

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

Integrated M.Tech

2019

Perceiving & Analyzing High Impact of Weather Change on Transport in Urban Regions

Priyanka Reddy (2014IEN10). Dept. of CST, Central University of Karnataka

Integrated M.tech

2019

MCA Result Processing System

Nikitha D H (2017MCA15), School of Computer Science, Central University of Karnataka

MCA

2019

Privacy Characterization and Quantification in Data Publishing

Pooja K (2016MCA16), School of Computer Science, Central University of Karnataka

MCA

2019

A Knowledge based Resource Discovery for Internet of Things

Deepa Jalihal (2013IEN12), Dept. of CST, Central University of Karnataka

Integrated M.Tech

2018

Secured data sharing in Cloud Computing using Revocable Storage Identity based Encryption

Geeta Uppalli (2013IEN15), Dept. of CST, Central University of Karnataka

Integrated M.Tech

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-Noising

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

Cultural 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

Tumkur

May. 2014

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

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