

UDAY KUMAR KAMALAPURAM

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 LinkedIn

 GitHub

EDUCATION

George Mason University

Master of Science in Computer and Information Science (CGPA:3.78/4)

Fairfax, VA

Expected: May 2023

G Pulla Reddy Engineering College

Bachelor of Engineering in Electronics and Communication Engineering (CGPA:7.84/10)

Kurnool, India

April 2017

TECHNICAL SKILLS/ CERTIFICATION

- **Certification:** AWS (Amazon Web Service) Cloud Practitioner
- **Languages & Databases:** JAVA/J2EE, Python, JavaScript, XML, SQL, MySQL C, HTML, CSS.
- **Frameworks:** Spring Boot, Spring Data JPA, Hibernate, Microservices, REST API, Oracle ATG, Angular, JUnit, Power Mockito, JDBC.
- **Technologies & Tools:** AWS (S3, EC2, RDS), JSP, Bootstrap, JSON, Jenkins, Jira, Gradle, Maven, GIT, SVN, Kubernetes, Docker
- **Concepts:** Object-oriented design, OOPs, Data Structure and Algorithms, DevOps, Agile/Scrum Methodologies, SDLC.

PROFESSIONAL EXPERIENCE

Hubbell Incorporated

Software Developer Intern

Herndon VA

May 2022 - Present

- Developing a POC application using Java, Spring Boot and Data JPA, REST APIs and integrating with main application.
- Working on application to do Power Factor Correction to improve efficiency of power quality distribution and suggest the clients recommended Cap Banks to increase sales and business.

Infosys

Senior Systems Engineer

Hyderabad, India

2019 - 2021

- **German-based postal service Project.** Developed distributed web-application projects based on Java.
- Implemented 30+ user stories and resolved 50+ defects and done unit testing for written code.
- Created REST APIs to improve the user experience while placing orders using a mobile application, resulting in a 60% increase in mobile orders.
- **Medical Claim Management Project.** Developed Microservices REST APIs using Java Spring Boot.
- Actively contributed to daily stand-ups, demos, retrospectives, refinements, sprint planning in Agile scrum method.
- Trained new team members and documented knowledge transfer sessions. Reduced on-boarding time by 30% by creating a training deck and coordinating with new team members.
- Researched and developed **AI/ML mail segregating model POC** using Google Colab using NumPy, Panda's libraries, and NLP (Natural Language Processing) tool NLTK for segregation of words.

Centina Systems

Solution Analyst Trainee

Bangalore, India

2017 - 2018

- Developed 40+ software plugins for computer network devices using XML, SNMP technology.
- Analyzed the software requirement by evaluating network devices utilizing MIB files and supported installed plugins.

PROJECTS

Pro-Publica COMPAS Data Bias Analysis

GMU, USA, 2022

- Worked on a project to analyze the ProPublica COMPAS dataset to find out if there is any bias reside in the data model.
- Used Logistic Regression and Random Forest models to analyze the bias on COMPAS dataset and found there is a bias.

Student Survey Application.

GMU, USA, 2022

- Created a Student Survey Application using React, HTML and CSS for frontend of an application and Node-JS for backend.
- Used AWS RDS as a database. Containerized the application using Docker and used Rancher for creating the Kubernetes cluster on an AWS EC2 instance.

Automated Irrigation System using IoT.

GPREC, India, 2017

- This project aims to present an IoT-based smart irrigation system that can provide real-time online information on the smart-phones about crop conditions, and user can take necessary action from their devices through IoT.
- Used Node MCU Wi-Fi microcontroller and Blink App for the project.

Developed Voice Controlled Robot using Arduino-Uno and Bluetooth module.

EXTRACURRICULAR

VSC fraternity Coordinator:

- Organized more than 15+ on and off-campus events and lead the teams and event promotions.
- During events coordinated the volunteers, scheduled the duties for teams, and communicated with them on a regular basis.
- Organized team meetings on a weekly basis and communicated with the college administration to provide event updates.