Sai Prudhivi

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EDUCATION

Master of Science, Computer Science - *Intelligent Systems and Data Science*   Aug 2022 – May 2024
The University of Texas at Dallas   **GPA: 3.9/4**
Relevant Courses: Machine Learning, Algorithms (Design and Analysis of Algorithms, Data Structures), Statistical Methods, Databases, Operating Systems

Bachelor of Technology, EEE   Aug 2015 – May 2019
National Institute of Technology, Karnataka, India   **GPA: 8.57/10**

PROFESSIONAL EXPERIENCE

Applications Engineer, *Oracle, Bangalore, India*   June 2019 – Aug 2022
- Developed features, tested, deployed, and supported 8+ existing Java/Spring applications.
- Implemented features on 4+ full-stack applications with Oracle JET as a UI framework and Java as a back-end.
- Designed and developed 2 full-stack applications from the ground up and provided ongoing production suppor.
- Utilized Apache Kafka to stream and process marketing data while synchronizing two data sources.
- Employed Docker, Kubernetes (OKE), Helm, and Jenkins in all applications for containerization and CI/CD.

INTERNSHIP EXPERIENCE

Student Assistant, *Institute for Data Analytics @ UT Dallas*   Oct 2022 – Present
- Conducted data analysis and generated reports on audit statistics reported by 35+ certification bodies.
- Developed a full-stack Java application using Spring Boot, Java Servlets, JSF, Hibernate, HTML, CSS, and JS.

Student Trainee, *Samsung R&D, Bangalore, India*   May 2018 – July 2018
- Enhanced logging performance by 10% in a real-time logging module for multi-core systems.
- Programmed on a C++ codebase for LTE protocol MAC layer of Samsung's 4G provider.

Full Stack Developer, *Unibots, India*   July 2017 – May 2018
- Developed Node.js and Python APIs on AWS Lambda, DynamoDB, and React.js UI for 30+ chatbot clients.
- Established architecture to enable seamless deployment of chatbots using GitHub actions for 30+ clients.

TECHNICAL SKILLS

Certifications: Neural Networks and Deep Learning - DeepLearning.AI, SAFe 4 Practitioner
Training: Oracle Database 12c, Java SE, Java EE, Oracle Cloud Infrastructure, Spring Framework
Back-end: Java, C++, JavaScript (Node.js), Python, PHP, Rust, GoLang
Front-end: Oracle JET (HTML5, CSS3), JavaScript (TypeScript), React.js, jQuery
Databases: MySQL, Oracle SQL, DynamoDB, MongoDB
Other: Apache Kafka, Docker, Kubernetes (OKE), Helm charts, AWS Lambda, Git, Jenkins, GitHub Actions

ACADEMIC PROJECTS

Movie recommendation system, *Machine Learning*   April 2023 – May 2023
Piano tutor – piano keys object detection, *Computer Vision*   Feb 2023 – May 2023
E-commerce platform – DBMS, full stack, *Database Design*   Jan 2023 – May 2023
Lottery scheduler for xv6 – UNIX like OS, *Operating Systems*   Aug 2022 – Dec 2022
A 4-link drawing robot, *Graduation project*   Aug 2017 – May 2019
Adaptive control of a robot using reinforcement learning, *Research Internship*   May 2017 – July 2017

LEADERSHIP EXPERIENCE

IET - Institution of Engineering and Technology, NITK, *Convenor (Head)*   Aug 2018 – May 2019

AWARDS

Two-time recipient of the "OAL CRM Org" Award at Oracle for demonstrating innovation, speed, flexibility, and curiosity.