

Sai Prudhivi

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Dedicated computer scientist with expertise in intelligent systems and data science. Demonstrated success in impactful software solutions and enhancing application security, driven by innovation and continuous improvement.

EDUCATION

Master of Science, Computer Science

The University of Texas at Dallas

Aug 2022 - May 2024

GPA: 3.93/4

Relevant Courses: Machine Learning, Statistical Methods, Computer Vision, Natural Language Processing, Big Data Management and Analysis

Bachelor of Technology, EEE

National Institute of Technology Karnataka, India

Aug 2015 - May 2019

GPA: 3.63/4

PROFESSIONAL EXPERIENCE

Research Assistant, *The University of Texas at Dallas*

Oct 2022 - Present

- Implemented security-critical enhancements in full-stack Java apps, resolving 100% of reported vulnerabilities.
- Migrated legacy applications to Java LTS and Maven for enhanced security and 20% performance improvement.
- Elevated business reporting tools and optimized SQL queries, resulting in a 35% faster report generation.

Software Developer, *Oracle, Bangalore, India*

Jun 2019 - Aug 2022

- Developed performance enhancing features for existing Java/Spring apps leading to 30% faster lead processing.
- Implemented features on Go-to-market full-stack app with Oracle JET as a UI framework and Java as a back-end.
- Designed a real-time log capturing app responsible for a 90% productivity boost for the WebLogic team.
- Leveraged Apache Kafka to streamline and process marketing data, leading to a 25% reduction in wait times.
- Implemented Docker, Kubernetes for efficient CI/CD, achieving a 40% decrease in deployment times.

Student Trainee, *Samsung R&D, Bangalore, India*

May 2018 - Jul 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.

TECHNICAL SKILLS

Certifications: Neural Networks, Deep Learning, Agile 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, *Undergraduate project*

Aug 2017 - May 2019

Adaptive control of a robot using reinforcement learning, *Research Internship*

May 2017 - July 2017

STUDENT ORGANIZATIONS

Convenor, *Institution of Engineering and Technology, NITK*

Aug 2018 - May 2019

- Led strategic event planning, recruitment, and project execution, yielding a 25% surge in memberships.
- Drove cross-collaboration among presidents and IET leaders, enhancing organizational synergy and impact.

AWARDS

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