

# 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: 3.93/4**

**Relevant Courses:** Machine Learning, Algorithms, Statistical Methods, Databases, Operating Systems, Computer Vision, Web Programming Languages, Natural Language Processing, Big Data Management and Analysis

**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 support.
- 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

**Research 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.
- Migrated legacy applications to Java LTS and designed and implemented end-to-end UI test cases.

**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.