

# Keerthana Jakkanagari

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## EXPERIENCE

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### Applications Engineer, Oracle

Feb 2025 - Present

- Actively setting up and configuring the development environment, focusing on optimizing workflows for Java and JavaScript technologies.
- Leveraging Java for backend development and JavaScript for front-end functionality, ensuring seamless integration between systems.

### Associate Software Engineer, Opentext

Oct 2022 - Feb 2025

- Designed and developed a **custom Date-Time Picker**, and implemented advanced **report** operations such as download, rename, saving visuals, and duplicating queries, enhancing user experience.
- Built logic for **AND/OR/XOR** operations between queries, retrieved numeric range data by framing **RSQL queries**, and visualized **clustered entities** using pie charts
- Optimized dashboard** performance by 30%, improving data rendering efficiency and user interaction.
- Contributed to backend development by implementing **user data management** (CRUD operations) with Core Java and PostgreSQL.
- Achieved 80% average **unit test coverage**, resolved regression issues, performed **security scans** (BlackDuck, Twist-lock) to address high-priority vulnerabilities, and **refactored/optimized API endpoints** during Angular upgrades.

### Intern, Opentext

Aug 2022 - Oct 2022

- Gained hands-on experience with **JavaScript** and **Angular**, while strengthening foundational knowledge in Data Structures and Algorithms (**DSA**), **Core Java**, and **database** management.

### Intern, Samsung Prism

Aug 2021 - Apr 2022

- Collaborated with a team of three to develop an **AI/ML**-powered smart pop-up blocker using **Python** and **TensorFlow**, enhancing web browsing experience by intelligently detecting and blocking 90% of intrusive pop-ups.

## PROJECTS

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### Sentiment Analysis

Developed a sentiment analysis pipeline using **TensorFlow LSTM**, achieving 90% accuracy by capturing the contextual meaning of text sequences. Applied key preprocessing techniques, including tokenization, padding, and embedding, for accurate sentiment classification.

### Handwritten Digit Recogniser

Built a CNN-based digit recognition model, leveraging **convolutional** layers to automatically identify and classify handwritten digits. Applied image preprocessing techniques and optimized model performance for real-time user input

### E-commerce website

Implemented a CRUD application using **Spring Boot** and React with **Spring Security** for authentication and authorization, reducing unauthorized access by 20%.

## EDUCATION

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### B.Tech, Computer Science and Engineering

Jun 2019 - Mar 2023

KL University, Hyderabad

GPA: 9.25

### High School, Science(Maths,Physics,Chemistry)

Jun 2017 - Mar 2019

Narayana Junior College

Percentage: 95.6

## SKILLS

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**FrontEnd:** Javascript, Angular js, Html and Css, Bootstrap, D3.js, NgRx management

**BackEnd:** Core Java, Oops, Spring framework, Spring boot, DBMS, Sql, Spring data JPA, Spring Security, Django

**Miscellaneous:** Maven, Node js, Docker, Git, Jenkins, CI/CD, Kubernetes

**Soft Skills:** Collaboration and teamwork, Attention to detail, Creative, Time management, Team player, Debugging and problem tracing

## Coding Profile

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### Leetcode

<https://leetcode.com/u/iuiH3ifPJS/>

### Hackerrank

<https://www.hackerrank.com/profile/keerthanajakkan1>

## Certifications

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Oracle Certified Foundations Associate

<https://catalog-education.oracle.com/ords/certview/sharebadge?id=2DC5574F81219B2FE305425499205F71F288AB92532588369>

NASSCOM Fundamentals of data analytics

<https://fsp-assessment-certificates.s3-ap-southeast-1.amazonaws.com/JKEERTHANA-94245186.pdf>

Microsoft Certified Azure Fundamentals

[https://www.credly.com/badges/28d82265-36c0-41f1-83fd-944613d8b400/public\\_url](https://www.credly.com/badges/28d82265-36c0-41f1-83fd-944613d8b400/public_url)

Javascript (Basic) Certificate - Hackerrank

<https://www.hackerrank.com/certificates/iframe/6f82fa27f007>

Angular (Basic) Certificate - Hackerrank

<https://www.hackerrank.com/certificates/iframe/60f8b6d7495e>

Angular (Intermediate) Certificate - Hackerrank

<https://www.hackerrank.com/certificates/iframe/f2c749a38c67>

Java (Basic) Certificate - Hackerrank

<https://www.hackerrank.com/certificates/iframe/43aa2af9536a>

## Accomplishments

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### Certification of KL Hackathon - 2021

With a group of 4 members, created a web kisan portal using **python** , **Django** and **machine learning** model. The project aims to provide **real-time crop recommendations and predictions** for farmers based on various environmental and soil parameters. It also integrates a **community support system** where farmers can interact, share experiences, and seek advice.