SREENIJA PADALA

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Innovative Software Engineer with strong academic and industry background in building scalable and fault-tolerant distributed systems. Experienced in full-stack web development using Java, Spring Boot, and modern front-end frameworks. Passionate about applying object-oriented design and agile practices to solve real-world problems. Actively seeking 2025 Software Development Engineer roles to create customer-centric, impactful solutions at scale.

EDUCATION

Texas Tech University, Lubbock, TX   **Aug 2023-May 2025**
Master of Science in Computer Science   *GPA:3.88*
Kakatiya University, Warangal, India   **Aug 2018-June 2022**
Bachelor of Technology in Computer Science   *GPA:3.62*

SKILLS

- **Languages:** Java, Python, C, SQL
- **Web Development:** Spring Boot, RESTful APIs, JSP, JPA, Hibernate, MyBatis
- **Frontend:** HTML, CSS, JavaScript, React.js, Angular.js
- **Databases:** SQL Server, MySQL
- **Cloud/Tools:** AWS, Azure, Git, Eclipse, Visual Studio, Smartsheet
- **CI/CD & DevOps:** Jenkins, GitHub Actions, automated build and deployment pipelines
- **Operating Systems:** Windows, Linux

WORK EXPERIENCE

Cloud Infrastructure as a Service – Hitachi Vantara   **July 2022-Aug 2023**
Software Engineer

- Developed and deployed scalable, fault-tolerant microservices using Java and Spring Boot in a distributed architecture, significantly improving system efficiency.
- Enhanced system performance with SQL optimization and CI/CD pipelines (Jenkins, GitHub Actions), reducing development time by 30% and boosting deployment reliability.
- Played a key role in Agile cross-functional teams, contributing to debugging, testing, and delivery of enterprise applications.

Software Engineer – Accolite Digital   **Feb 2022-July 2022**
Software Engineer Intern

- Developed responsive front-end applications using React.js and Angular.js, integrated with Spring Boot back-end and relational databases, resulting in 20% improved performance through modular, object-oriented design.

PROJECTS

Project Management: Autonomous Farming System Integrating Drones and Robots

- Utilized Smartsheet, PERT/CPM, WBS, and Gantt charts to manage project workflows, resulting in a 20% improvement in scheduling accuracy, NPV in financial analysis, and real-time stakeholder reporting for a drone-robot integrated farming system.

Robust and Accurate Object Detection via Adversarial Learning:

- Applied Python and Machine Learning to enhance object detection models (Det-AdvProp & Fast-AdvProp), achieving up to 2.54% higher accuracy and 1.7% improved robustness (mAP) on COCO, COCO-C, and PASCAL VOC 2012 datasets.

Face Mask Detection:

- Used Python with MobileNetV2, OpenCV, TensorFlow, and Keras to build a real-time face mask detection system, achieving 95%+ classification accuracy on live video streams and reducing manual compliance checks by 80% with integrated audio alerts and scalable deployment.

CERTIFICATIONS

- Microsoft -Azure Fundamentals.
- Oracle Academy - Java Fundamentals.
- Oracle Certified Expert Database SQL
- Lets Upgrade-Aws Fundamentals