



Pentela Navadeep

📍 KL university, Vijayawada

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in Pentela Navadeep 🔗 Navadeep2358

Profile

Aspiring Software Engineer with strong problem-solving and coding skills, experienced in building scalable full stack applications using Java, Spring Boot, and React.js. Solid grasp of data structures algorithms, object oriented design, and system design principles with hands-on experience deploying cloud solutions on Microsoft Azure and AWS. Practical experience in CI/CD pipelines, containerization (Docker), and basic Kubernetes orchestration. Collaborative team player with a track record of delivering production-focused projects (e-commerce platform, ML-based emotion detector, IoT smart parking) and a passion for writing clean, testable code to solve real-world problems at scale.

Education

KL university <i>B-TECH : Computer Science and Engineering</i> ◦ CGPA: 9.4	<i>2023 – 2027</i>
Sri Chaitanya Junior College <i>Xii - Mathematics, Physics, Chemistry</i> ◦ CGPA: 9.01	<i>2021 – 2023</i>

Projects

Emotion Detector github 🔗 ◦ Developed a real-time emotion recognition system using OpenCV and deep learning. Implemented webcam-based facial expression analysis to classify human emotions. Demonstrated skills in Python, TensorFlow, and computer vision.	<i>February 2025</i>
E-Commerce Website github 🔗 ◦ Developed a full-stack e-commerce web application called Rowdy, designed to offer a smooth and responsive shopping experience. The project includes core features such as user registration login, product browsing, add to cart, wishlist .	<i>July 2024</i>
Milk Delivery Stock Management App github 🔗 ◦ Designed a fully functional Milk Delivery Tracking App in record time using AI-powered development workflows. This app modernizes the day-to-day operations of milk distribution business, serving over 30+ tea shops with detailed tracking of stock, shop-wise delivery, collections, and balances.	<i>July 2024</i>
Smart Parking github 🔗 ◦ Built an IoT-based Smart Parking System to track real-time parking availability using sensors and Arduino. Integrated frontend for admin monitoring, improving parking management efficiency and reducing congestion.	<i>August 2023</i>

Technical Skills

Programming Languages: Java, C, Data Structures, Python

Development Stack: React.js, MySQL

Cloud DevOps: Amazon web services (AWS), Google Cloud(gcp), Docker, CI/CD Pipelines

Tools and Concepts: HTML5, CSS3, JavaScript, Object-Oriented Programming, IoT and Sensors, Computer Networks, Operating Systems

Certifications

AWS Certified Cloud Practitioner (CLF-C02) – AWS

Microsoft AI Azure Virtual Internship – Edunet Foundation

Cambridge Linguaskill Exam – Cambridge University Press and Assessment

Cisco Networking Academy – Cisco

Salesforce Certified AI Associate – Salesforce

Key Achievements

- Successfully completed Microsoft AI Azure Virtual Internship, gaining practical exposure to ML model development and cloud deployment.
- Achieved AWS Cloud Practitioner Certification, validating foundational expertise in cloud computing and scalable system design.
- Built and showcased projects at Design Tools Workshop Project Expo – 2023.
- Completed Cisco Networking Virtual Internship with focus on network simulation, system reliability, and security basics.