



# Pentela Navadeep

📍 KL university, Vijayawada

★ UniversityId: 2300030831 ✉ 2300030831CSEH1@gmail.com ☎ 7207880983

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 or 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

2023 – 2027

B-TECH : Computer Science and Engineering

- CGPA: 9.4

### Sri Chaitanya Junior College

2021 – 2023

Xii - Mathematics, Physics, Chemistry

- CGPA: 9.01

## Projects

### Emotion Detector [github](#)

February 2025

- 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.

### E-Commerce Website [github](#)

July 2024

- 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.

### Milk Delivery Stock Management App [github](#)

July 2024

- 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.

### Smart Parking [github](#)

August 2023

- 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.

## 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

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**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

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- 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.