

# Chandrika Pasupuleti

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## Professional Summary

Software Engineer with hands-on experience in designing and developing end-to-end applications using HTML, CSS, JavaScript, React.js, Java, Spring Boot, REST APIs, and MySQL. Strong foundation in data structures, object-oriented programming, and database systems. Experienced in building role-based systems, integrating APIs, and delivering scalable, maintainable software solutions. Seeking Software Engineer or SDE roles to contribute to real-world production systems.

## Technical Skills

**Programming Languages:** Java, JavaScript, Python

**Web Technologies:** HTML5, CSS3, React.js

**Backend Technologies:** Spring Boot, RESTful APIs

**Databases:** MySQL

**Tools & Platforms:** Git, GitHub, VS Code, Postman, Figma

**CS Fundamentals:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

## Education

### VIT-AP University, Amaravati

2022 – 2027

Integrated M.Tech in Computer Science

CGPA: 8.7 / 10

### Narayana Junior College

2020 – 2022

MPC

Percentage: 96.4%

### Kennedy School

2020

SSC

Percentage: 98.3%

## Projects

### Library Management System

HTML, CSS, JavaScript

- Designed and developed a role-based software system supporting Student, Librarian, and Admin users.
- Implemented features such as book search, issue/return tracking, and user management workflows.
- Applied modular programming principles to improve code maintainability and scalability.

### Gate Pass Management System (RINL)

HTML, CSS, JavaScript, Spring Boot

- Developed a software solution to digitize gate pass and attendance management in an industrial setup.
- Integrated frontend interfaces with Spring Boot REST APIs and backend services.
- Reduced manual verification effort and improved operational efficiency by approximately 50%.

### Facial Emotion Recognition System

Python, Deep Learning

- Conducted a comparative analysis of ResNet-50 and Inception-V3 models for emotion classification.
- Applied transfer learning techniques to improve accuracy on limited datasets.
- Evaluated performance using accuracy metrics, loss curves, and confusion matrix analysis.

## Internship Experience

### Software Intern — RINL (Vizag Steel Plant)

8 Weeks

- Contributed to the development of a Gate Pass and Attendance Management software system.
- Built role-based user interfaces and integrated them with backend REST APIs.
- Supported OTP-based authentication and secure access mechanisms.
- Improved system efficiency by digitizing manual workflows and validations.

## Leadership & Activities

### Design Lead — Photon Club, VIT-AP

- Led planning and execution of design workflows for multiple technical and cultural events.
- Coordinated with cross-functional teams to ensure timely and consistent deliverables.

## Certifications & Achievements

- Google DevFest — Participant
- Internship Certificate — RINL, Vizag Steel Plant
- IIT Hyderabad — Machine Learning Workshop

- Certificate of Appreciation — Team Lead, Photon Club