

# MANNEM LEELA PENCHALA PRASAD

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Nellore, Andhra Pradesh

## PROFESSIONAL SUMMARY

Highly motivated and detail-oriented Computer Science student (B. Tech, 2026) with a CGPA of 9.51 and a strong foundation in Core Java, Python, Data Structures, OOP, and SQL. Proven track record of delivering scalable software solutions using modern backend frameworks like Spring Boot and Django. Experienced in full-stack development, debugging, testing, and Agile collaboration through real-world projects and hackathons. Demonstrates a strong growth mindset, problem-solving ability, and eagerness to contribute to fast-paced, innovation-driven teams like EPAM.

## SKILLS SUMMARY

- **Languages:** Java (Core), C, JavaScript
- **Concepts:** Data Structures & Algorithms, OOP, SDLC, Version Control, Software Testing
- **Backend:** Spring Boot, Django, RESTful APIs
- **Frontend:** HTML, CSS, React.js, JavaScript
- **Databases:** MySQL, MongoDB
- **DevOps/Cloud:** AWS (EC2, Lambda, S3), Docker (Basics), Git, GitHub
- **Tools:** VS Code, Postman

## PROJECTS

### Intelligent Network Alarm Prediction System

Nokia Hackathon – "Accelerate Her in Tech" | May 2025 – Jun 2025

- Developed a real-time ML-based backend in Python for network alarm analysis.
- Used Streamlit for UI and visualization; improved prediction accuracy by 40%.
- Practiced full-cycle SDLC: from model training to API integration and dashboard design.

### Indian Culture and Heritage Management System

Team Lead | Jun 2024 – Dec 2024

- Led design and development of a web platform using Java (Spring Boot) and MySQL for cataloging Indian cultural artifacts.
- Achieved 40% faster database query time through optimized schema design and indexing strategies.
- Implemented secure role-based login and data validation using Spring Security.
- Designed RESTful APIs and modular architecture following clean code principles and OOP best practices.
- Coordinated with 3 teammates to ensure code reviews, bug fixes, and continuous integration.

### Banking and Finance Management System

Team Lead | Jan 2024 – May 2024

- Built a secure full-stack application supporting 500+ users.
- Enhanced performance by optimizing MongoDB schema and REST endpoints.

## INTERNSHIPS & EXPERIENCE

Data Science Intern | AICTE (Virtual)

Jun 2024 - Aug 2024

- Implemented **data visualization** techniques for stakeholder presentations.
- Utilized **supervised and unsupervised learning algorithms** to analyze and interpret trends in complex datasets.

## CERTIFICATIONS

- [AWS Certified Cloud Practitioner](#)
- [Google Associate Cloud Engineer Certification](#)
- [Red Hat Certified Enterprise Application Developer](#)

## EDUCATION

K L University

Guntur, Andhra Pradesh

Bachelor of Technology in Computer Science and Engineering|

GPA: 9.51/10

July2022-May 2026

**Relevant Course Work:** Data Structures and Algorithms, Operating Systems, Database Management Systems, OOPS, Agile Development, System Design, Cloud Computing

Narayana Junior College

Nellore, Andhra Pradesh

Board of Intermediate Education of Andhra Pradesh (Ap-BIE) |

Percentage: 91%

July 2020-May 2022

## ACHIEVEMENTS AND ACTIVITIES

- Finalist in Nokia "Accelerate Her in Tech" Hackathon – developed a real-time predictive system using ML and distributed APIs.
- Led 3+ major projects from scratch, owning both design and development phases.
- Contributor to open-source projects under SwechaAP

## PROFILE LINKS

[Credly](#) | [Hackerrank](#) | [Codechef](#) | [Leetcode](#) | [Portfolio](#)