

# Harika Jakka

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## Professional Summary

Motivated Computer Science student pursuing a **dual degree** with academic and internship experience in **software development** and **emerging technologies**. Skilled in **designing** and **implementing solutions**, collaborating in **team environments**, and adapting quickly to new **tools** and **frameworks**. Seeking an entry-level **engineering role** to contribute to **innovative projects** and grow as a **professional** in the **technology industry**.

## Core Competencies

**Programming & Development** : Java, Python, C, JavaScript, SQL, HTML/CSS, Bootstrap

**Backend & Cloud** : Node.js, Express.js, Flask, MongoDB, PostgreSQL

**AI & Emerging Tech** : OpenCV, MediaPipe, Quantum, Scikit-learn, Machine Learning

**Tools & Platforms** : Git, GitHub, Visual Studio, bcrypt, AI Tools

**Core Knowledge** : Data Structures & Algorithms, OOP, Computer Networks, DBMS, OS

**Soft Skills** : Problem-solving, Communication, Team Collaboration, Adaptability

## Experience

### AeroByte Innovations Pvt. Ltd., Hyderabad

*Software Developer Trainee Intern*

Dec 2024 – Jan 2025

- Completed 4-week internship focused on software development, debugging, and optimization of internal tools.
- Participated in Agile sprints, code reviews, and collaborative problem-solving sessions covering the full project lifecycle.
- Applied development practices to troubleshoot technical challenges and work with diverse technology stacks.

## Selected Projects

### Smart Car Pooling System [Node.js, Express.js, MongoDB, Bootstrap]

- Built a full-stack ride-sharing platform connecting drivers and passengers with real-time booking capabilities.
- Implemented secure authentication, optimized database queries, and designed responsive UI for cross-device compatibility.

### AI-Based Proctoring System [Python, Flask, OpenCV, MediaPipe]

- Developed AI-powered proctoring tool with real-time anomaly detection for online examinations.
- Implemented computer vision pipelines using OpenCV and MediaPipe to monitor and flag suspicious behavior.
- Built Flask backend integrated with MongoDB for secure data handling.

## Education

Degree/Certification	Institute	CGPA/%	Year
Integrated Dual Degree (B.Tech + M.Tech)	Jawaharlal Nehru Technological University, Hyderabad	8.10	2021–2026
Computer Science			
Intermediate (MPC)	Sri Gayathri Junior College	98.1%	2018–2020
SSC	Telangana Model high School, Thirumalapar	9.0	2018

*Relevant Coursework:* Data Structures & Algorithms, Computer Networks, Database Systems, Operating Systems, OOP

## Certifications & Honors

2024: Machine Learning crash course - Google for Developers

2024: Java Programming - Great Learning

2024: Prompt Engineering - Deep Learning.AI

2024: SQL Certification - Geekster

NMMS Scholarship Recipient (5 years)

2021: Best Student & Achiever of the Year

Aakash Institute

## Key Attributes

**Technical Learning:** Ability to quickly adapt to new technologies and development frameworks.

**Collaboration:** Experience working in team environments with Agile methodologies.