

# BALAJI SRI NIVASS.P

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## SUMMARY

Aspiring Software Engineer and AI enthusiast currently pursuing B.Tech in Information Technology. Passionate about developing intelligent, scalable solutions that create real-world impact. Eager to contribute to high-impact engineering projects while expanding my expertise in Python, Machine Learning, and full-stack development.

## EDUCATION

**Bachelor of Technology in Information Technology**, St. Joseph's Institute of Technology 2023 – Present  
CGPA: 7.80 / 10

Relevant Coursework: Data Structures, Algorithms, Operating Systems, DBMS, OOP, Computer Networks

## TECHNICAL SKILLS

<b>Programming Languages</b>	C, Python, Java, SQL
<b>Web Development</b>	HTML, CSS, JavaScript, React.js, Node.js, Express.js (MERN)
<b>Databases</b>	MongoDB, MySQL, ChromaDB
<b>AI/ML Tools</b>	LangChain, Streamlit, LangGraph, MLFlow
<b>Cloud</b>	Azure (learning), RESTful APIs
<b>CS Fundamentals</b>	Data Structures, Algorithms, OOP, OS, DBMS
<b>Tools</b>	Git, Figma, Linux, Postman

## PROJECTS

### Face Recognition Attendance System[INPROGRESS]

Implemented a real-time attendance system using OpenCV and face-embedding matching with LBPH/FaceNet for high-accuracy identification. Automated time-logging and optimized detection speed by 25% through frame sampling and vector caching.

### C I P-LMP (Client-Side ID–Password: Link Mapping Protocol)

Designed a secure ID–password mapping engine with encrypted credential routing and instant user validation. Implemented hash-based lookup tables to reduce authentication latency by 40% and enable consistent cross-module credential access.

### College Query Chatbot AI

Developed an NLP-driven chatbot using intent classification and semantic search to answer college-related queries. Integrated a lightweight retrieval pipeline that reduced response time by 35% while supporting 50+ dynamic query categories.

## EXPERIENCE

Full Stack Intern

Codec Technologies . JULY-2024

"I joined the Full-Stack internship to apply my knowledge of HTML, CSS, JavaScript, databases, and server-side development in real world projects.

## ADDITIONAL INFORMATION

**Soft Skills:** Team Collaboration, Problem-Solving, Time Management, Public Speaking

**Languages Known:** English (Fluent), Tamil (Native), Hindi(Basic)

**Hackathons:** Participated in MSME and