

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

Programming Languages

C, Python, Java, SQL

Web Development

HTML, CSS, JavaScript, React.js, Node.js, Express.js (MERN)

Databases

MongoDB, MySQL, ChromaDB

AI/ML Tools

LangChain, Streamlit, LangGraph, MLFlow

Cloud

Azure (learning), RESTful APIs

CS Fundamentals

Data Structures, Algorithms, OOP, OS, DBMS

Tools

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