

AKASH T S M

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[LinkedIn] | [GitHub] | [LeetCode]

OBJECTIVE

Computer Science undergraduate passionate about building clean, reliable, and user-friendly software. Seeking a **Software Engineering Internship** to apply strong fundamentals in algorithms, data structures, and full-stack development while collaborating in team-based environments to build meaningful, high-impact products.

EDUCATION

Vellore Institute of Technology — *B.Tech in Computer Science and Engineering* (2023–2027)

CGPA: 9.38 / 10

Sunbeam Senior Secondary School — 92% (2021–2023)

Bhagwan Mahaveer Dayaniketan Jain School — 93% (2009–2021)

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Systems

Frameworks & Tools: Flask, FastAPI, React.js, Node.js, Git, REST APIs

Databases: PostgreSQL, MongoDB

Cloud & DevOps: Microsoft Azure (Basics), AWS (Basics)

Other Skills: Debugging, Code Optimization, Unit Testing, Version Control, Team Collaboration

PROJECTS

1. Cloud Task Management System | Python, React, Flask, PostgreSQL

- Developed a simple full-stack task management web application.
- Built REST APIs for authentication, task creation, and updates.
- Implemented backend optimizations for faster load and retrieval.
- Added GitHub Actions for automated testing and deployment.

2. AI-Powered Notes Summarizer | Python, Flask, Streamlit

- Built a tool to summarize long PDF notes into readable key points.
- Used open-source NLP techniques for text extraction and summarization.
- Added features such as PDF upload, text cleaning, and downloadable output.
- Implemented caching to reduce repeated processing delays.

3. Student Helpdesk Chat Assistant | FastAPI, Python

- Created a lightweight chatbot API to answer common student queries.
 - Implemented keyword-based intent detection for responses.
 - Designed modular endpoints for easy integration into college websites.
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CERTIFICATIONS

- Generative AI Fundamentals — IBM Skills Network
 - Machine Learning Basics — Coursera
 - AWS Cloud Practitioner Essentials — *In Progress*
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ACHIEVEMENTS & INTERESTS

- Solved **100+ DSA problems** on LeetCode and HackerRank.
- **Interests:** Web Development, Cloud Computing, Databases, Problem Solving.