

ASHIS MAHATO

SOFTWARE ENGINEER | FULL-STACK DEVELOPER

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SUMMARY

Computer Science undergraduate with hands-on experience in building AI-powered applications, backend systems, and scalable web solutions. Proficient in Python, React, Node.js and SQL with a strong focus on solving real-world problems through practical engineering. Built projects spanning server monitoring, academic productivity, and mental well-being.

EDUCATION

Academy of Technology, Kolkata	2023 - 2027
<i>Bachelor of Technology (B.Tech) in Computer Science and Business Systems</i>	CGPA: 8.3 (up to 6th Sem)
Shree Jain Vidyalaya (WBCHSE)	2020 - 2022
<i>Higher Secondary Education</i>	Grade: 85%
Radhika Town High School (WBBSE)	2020
<i>Secondary Education</i>	Grade: 84%

SKILLS

Programming Languages & Core CS: C, C++, Python, DSA, OOP.

Web & Backend: HTML, CSS, JavaScript, React.js, Node.js, REST APIs.

Database & Cloud: PostgreSQL, SQLite, Firebase, Vercel.

Tools: Git, GitHub.

PROJECTS

SerenityAI	github.com/Ashis-404/SerenityAI
<i>Python, FastAPI, AI/ML, Whisper, Groq</i>	
- Built a full-stack, emotion-aware AI companion integrating Speech Emotion Recognition, Whisper STT, LLMs, Text-to-Speech, persistent memory, and personalized interactions. - Trained a Random Forest model on the RAVDESS dataset using MFCC, pitch, and energy features, achieving 94% testing accuracy. - Implemented real-time voice processing, context-aware conversations, conversation history, personalized notifications, and wellbeing insights using React, FastAPI, and PostgreSQL.	
CheckMyServer	github.com/Ashis-404/CheckMyServer
<i>Python, Flask, REST APIs, HTTP</i>	
- Built a CLI-based monitoring tool to track real-time status of multiple servers and URLs. - Implemented HTTP response validation and socket-level connectivity checks for server diagnostics. - Added configurable SSL verification, port scanning, and retry interval mechanisms. - Developed automated email alert systems for server status changes and failures.	

ACHIEVEMENTS

- 2nd Runner-Up at TechSprint, organized by GDGOC AOT.
- Shortlisted at campus level for Smart India Hackathon (SIH) 2025.

CERTIFICATIONS

- Tata Data Visualization: Empowering Business with Effective Insights (May 2026)
- Deloitte Data Analytics (May 2026)
- HackerRank SQL INTERMEDIATE (July 2026)