HIMJYOTI TALUKDAR

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OBJECTIVE

Aspiring Python Developer with experience in backend development, data structures, and sensor data processing. Passionate about leveraging Python for IoT and wearable technology. Eager to contribute to the company's mission by developing efficient algorithms for enhanced application performance and innovation.

EXPERIENCE

Back-end Developer Intern, Codtech IT Solutions *Jun 2024 - Aug 2024*

- Developed **REST APIs** to build backend services.
- Tested and debugged APIs using **Postman** to ensure reliability and performance.
- Improved API efficiency and documentation for a better developer experience.

EDUCATION

Master of Computer Science, Kristu Jayanti College, Bangalore *2023 - Present*
Relevant Coursework: Advanced Software Engineering, Data Structures and Algorithms, ADBMS, Operating System, AI/ML, Deep Learning.

Bachelor of Computer Application , Assam Downtown University, Guwahati *2020 - 2023*
Specialization: Cloud Technology and Information Security.

Relevant Coursework: Data Structures, Object-Oriented Programming (OOP), DBMS, Information Security, Operating System, Software Engineering, Linux Administration, Cloud Architecture.

SKILLS

Languages	Python, C/C++, MySQL, HTML, CSS
Frameworks	Django, Matplotlib, Pandas
IoT and Embedded Systems	Sensors, Components, Micro-controllers (ESP8266/Arduino), Basic hardware
Technologies	Git & GitHub, Docker, Linux, AWS
Soft Skills	Adaptability, Communication, Collaboration, Problem-solving

PROJECTS

- **Gps-X** — Developed a vehicle tracking system using ESP12F, SIM800 and NEO-6MV2 that delivers real-time location updates to a Python Flask backend with MongoDB. The system features a cross-platform mobile app for live tracking, engine status display, mode switching, 7-day GPS coordinate logging, anti-theft monitoring, battery health tracking, and historical route playback. Link
- **LED Music Synchronizer using NodeMCU** — Developed software capable of capturing music input from a microphone and dynamically visualizing it through pixel LEDs. Built using C, with HTML embedded within the source code. Includes a dashboard for controlling LED settings. Link

EXTRA-CURRICULAR ACTIVITIES

- Ranked in the top 1 percent on TryHackMe since 2021, gaining hands-on experience in cybersecurity through Capture The Flag (CTF) challenges.
- Developed projects using microcontrollers like ESP8266 (NodeMCU), integrating various sensors and modules.