HIMJYOTI TALUKDAR

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OBJECTIVE

Aspiring Backend Developer with a strong foundation in Python, Django, and database management (MySQL). Currently building projects involving API development, data visualization, and sensor data processing. Familiar with Data Structures Algorithms and passionate about writing clean, efficient code. Eager to apply my skills and learn from real-world software development challenges.

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.

SKILLS

Languages	Python (OOP), HTML, CSS
Frameworks	Django, Matplotlib
Backend Concepts	RESTful APIs, Server-side Architecture, Authentication (JWT, OAuth), Models, ORM
Databases	Mysql, MongoDb
Technologies	Git & GitHub, Docker, Linux, AWS

EDUCATION

Master of Computer Science, Kristu Jayanti College, Bangalore *2023 - Present*

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

PROJECTS

- **Graphy** — Developed a full-stack web application using **Django** to handle user authentication and **API-based data** processing, allowing users to upload CSV or Excel files and convert them into interactive visualizations. Used **Django models** to manage uploaded files and generated charts. Link
- **Gps-X** — Engineered a real-time **vehicle tracking** system with a Flask backend and MongoDB that delivers real-time location updates. Designed and optimized RESTful APIs for real-time location updates, storing 7-day historical route data. Implemented authentication for secure access. 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.