

Devik Gupta

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WORK EXPERIENCE

Technology Business Incubator - GEU

DevOps Intern

Jul 2024 - Oct 2024

- **Deployed and optimized** the TBI GEU website on **AWS EC2**, improving uptime to **99.9%** and reducing response time by **40%** through Nginx reverse proxy configuration.
- **Implemented automated SSL renewal** and security best practices, ensuring **zero downtime** and compliance with industry standards.
- **Optimized cloud resource allocation**, reducing hosting costs by **25%** while maintaining high scalability and performance.

GEU ACM

Chairperson

Oct 2024 - Present

- **Led a team of 20+ members**, organizing **10+ technical events, workshops, and hackathons**, increasing student engagement.
- **Mentored and guided 100+ students** in competitive programming and hackathons, leading to an increase in student participation in national coding competitions.
- **Collaborated with TBI-GEU and clubs like Graphic Geeks** to host interdisciplinary events, boosting participation by **40%** and expanding technical outreach.

EDUCATION

Graphic Era University, Dehradun

B. Tech CSE (Data Science & AI) - 7.7/10

2022-2026

PROJECTS

Early Edge - Predictive Analytics Platform

- Developed **Early Edge**, a predictive analytics platform leveraging Linear Regression, Random Forest and Decision Tree, achieving **96.50% model accuracy** in identifying high-risk primary school students.
- Designed a **user-friendly React frontend**, enabling educators to input student data and receive **real-time, actionable insights**, contributing to improved student retention by and academic performance.
- Built a robust **Flask backend API** that processes **1,000+ student records**, integrating 3 machine learning models and correctly identifying **94.17%** of at-risk students.
- Deployed the platform on **AWS EC2**, ensuring scalability and **99.9% uptime**.

Daily Attendance Managing Network

- Developed **DAMN**, an Android app that automates student attendance marking via **Wi-Fi network detection**, reducing manual effort by **80%** and improving accuracy.
- Built and integrated a **scalable REST API** using **ExpressJS (NodeJS)**, handling **5,000+ attendance records daily** with real-time synchronization.
- Implemented **secure authentication** and **role-based access**, ensuring **data integrity** and preventing **unauthorized attendance manipulation**.

SKILLS

- **Languages:** JavaScript, Python, C/C++, Java.
- **Frameworks:** Nginx, React Native, Flask, Scikit-learn.
- **Cloud/Databases/Tech-Stack:** AWS Services, Azure Services, MySQL, MongoDB, MERN Stack, Docker, Jenkins.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Microsoft Azure Data Fundamentals (DP-900)