

# VAIBHAV UPADHYAY

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## Education

**ABES Institute of Technology (ABESIT), Ghaziabad**  
*B.Tech in Computer Science & Engineering*

2021 - 2025

## Experience

### EDUNET ↗

*Frontend Development intern*

JULY 2024 – AUG 2024

on-site

- ED tech website with courses articles, course add feature, admin login, user login pages

## PROJECTS

### ES-Dedupe — Elasticsearch Data Deduplication Tool ↗

- \* Developed a Python-based CLI tool to identify and remove duplicate Elasticsearch documents.
- \* Implemented a sliding-window deduplication strategy optimized for low memory usage.
- \* Designed to handle multi-million record datasets while preserving index integrity.
- \* Containerized the application using Docker for reproducible execution and deployment.
- \* **Tech:** Python, Elasticsearch, Docker

### AI Career Mentor — Full Stack GenAI Platform ↗

- \* Built a full-stack career guidance platform using React, Node.js, Express, and MongoDB.
- \* Integrated LLM APIs to generate personalized career paths, skill roadmaps, and recommendations.
- \* Implemented JWT-based authentication, protected routes, and secure user profile management.
- \* Developed avatar upload and career history tracking with role-based API access.
- \* **Tech:** React.js, Node.js, Express.js, MongoDB, OpenAI/Gemini API

### Flask–React Full Stack Template ↗

- \* Developed a full-stack web application using React, TypeScript, Tailwind CSS, Flask, and SQLAlchemy.
- \* Designed and implemented RESTful APIs with complete CRUD functionality.
- \* Integrated frontend with backend APIs for a responsive and real-time user experience.
- \* Collaborated in an open-source codebase using Git workflows and basic CI via GitHub Actions.
- \* **Tech:** Flask, SQL, React, TypeScript, Tailwind CSS

## Technical Skills

Programming Languages: Python, JavaScript (ES6+), SQL

Frontend: React.js, HTML, CSS, Tailwind CSS

Backend: Node.js, Express.js, REST APIs, JWT Authentication

Databases: MongoDB, MySQL

Problem Solving: Data Structures and Algorithms And OOPs

## CERTIFICATIONS

Software Development Internship — Infosys Springboard

Java Programming Certification — Apna College

## Competitions/Achievements

- participated in hackathon like HACK THE MOUNTAIN 3.0.
- Done various certification course of JAVA, DSA ,FULL STACK MERN
- Strong knowledge about Data Structures and Algorithms
- contributed in open source project in telegram and GitHub