Vidyush Singh

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Education

Bachelor of Technology (Computer Science and Engineering)
KIET Group of Institutions, Delhi-NCR, Ghazibad, affiliated to AKTU(Lucknow) (2021-25)

Skills

Technical Skills: Java, Python, MySQL, Spring Boot, REST APIs, Django, Docker, Linux, Git
Problem-Solving: Data Structures & Algorithms (150+ problems on LeetCode)

Projects

Metro Smart Card Management System
- Built a Java-based Metro Smart Card System handling card creation, recharge, swipe-in/out, and transaction tracking.
- Implemented fare calculation, balance validation, and custom exception handling for real-world metro scenarios.
- Designed an in-memory data layer for managing cards, journeys, and station-wise footfall reports.

Software Bug Tracker
- Developed a backend bug tracking system using Spring Boot and MongoDB to manage software defects.
- Exposed RESTful APIs for bug creation, status updates, priority management, and user assignment.
- Designed a modular architecture with clean API layers to support team collaboration and future extensibility.

Daily Diary Application (Django & Docker)
- Built a secure Django-based web application for logging and managing daily entries.
- Implemented user authentication and efficient data handling for smooth user experience.
- Containerized the application using Docker to ensure consistent development and deployment.

Achievements and Badges

Hackathon Winner (Endeavour'23)
   Secured 1st position in hackathon conducted by E-cell at KIET group of Institutions.
   Idea is to provide a platform for cancer patients who felt left out in this real world.

Institute level SIH selection
   Selected in top 25 teams among 150 teams.

SQL basics Completion badge on Leetcode
   Module contain Basic to Intermediate SQL topics, 50 essential SQL questions

5 star in SQL at HACKERRANK

Courses and Certificates

Google Cloud Computing Foundations - IIT Kharagpur(NPTEL)

Data Mining - IIT Kharagpur(NPTEL)

Career Essentials in Data Analysis by Microsoft and LinkedIn

data analytics & visualization skills by Accenture - Forage

Position / Responsibility

Core Student Coordinator at PR and International Relations of KIET of Group of Institutions
Ex-Management Head at Impeccables - Event Management and Creativity Club at KIET
Former Graphic Designer at Vpaksh - KIET Dramatic Society

Co - curricular Activities

With over 100 team participations, organized the quiz competition 'MANTHAN.'
Contributed to organizing a college fest, Epoque@Prastuti, which attracted over 7,500 attendees and involved
more than 70 teams.