

PRASHANT KUMAR DUBEY

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[LinkedIn](#) — [GitHub](#) — [Leetcode](#) — [GeeksforGeeks](#)

EDUCATION

B.Tech in Computer Science and Engineering, Galgotias College of Engineering and Technology **2022 - Present**
CGPA: 8.38

EXPERIENCE

MAQ Software — *Associate Software Engineer Intern* *Nov 2025 – Present*

- Engineered and deployed **highly scalable data pipelines** using **Azure Data Factory** and **Azure SQL Database** to support critical business intelligence and reporting solutions, ensuring data reliability for 10,000+ daily users.
- Optimized **ETL (Extract, Transform, Load) workflows** and refactored complex, resource-intensive **SQL queries**, resulting in a **25%** improvement in data latency and **15%** reduction in operational costs across cloud systems.
- Spearheaded **performance tuning** of SQL Server instances, implementing indexing strategies and query plan analysis to enhance overall system throughput and reliability.

GeeksforGeeks — *Member of Technical Staff (MTS)* *Jun 2025 – Nov 2025*

- Authored and curated **50+** high-quality, novel algorithmic problems with detailed, **O(n log n)**-optimized **C++ solutions** and comprehensive test suites, significantly increasing the platform's content depth.
- Developed in-depth educational content on core Computer Science subjects including **Operating Systems (OS)**, **Database Management Systems (DBMS)**, and **Computer Networks (CN)**.
- Applied rigorous **performance analysis** to all solutions, ensuring adherence to strict time and space complexity benchmarks, reflecting a deep understanding of **Data Structures and Algorithms (DSA)**.

PROJECTS

PLANLESS – AI Powered Activity Planner – *React, Node.js, Gemini API, Google Places API* *Aug 2025*

- Developed a full-stack, **AI-powered personalized activity planner** using **React** and **Node.js**, leveraging the **Google Gemini API** to process user context and **Google Places API** for dynamic data.
- Engineered the recommendation engine to achieve over **90% **suggestion relevance and accuracy****, architecting the system for scalable and efficient data handling and API communication.

FINANCIAL ASSISTANT SYSTEM – *Scikit-learn, Pandas, Node.js, Express.js, MySQL, JS* *Jan 2025*

- Developed a **predictive ML-based financial advisor** using **Python** (Scikit-learn) and financial data analysis, achieving a validated prediction accuracy of **92%** for user financial standing.
- Engineered the data pipeline, integrating the ML backend with a robust **Node.js/Express.js RESTful API**, and managed the relational data structure within **MySQL** for efficient data storage and retrieval.

RAILWAY TICKET BOOKING SYSTEM – *Python Tkinter, MySQL, OOP* *Feb 2024*

- Engineered a robust, GUI-based **Railway Ticket Booking System** using **Python Tkinter** and **Object-Oriented Programming (OOP)**, implementing **5+** core features including secure booking and status checking.
- Utilized **MySQL** for persistent and integrity-checked storage of user and transaction data, ensuring rapid retrieval and smooth concurrent transaction handling for high-volume use cases.

ACHIEVEMENTS

- AIR 932 (Top 1% Percentile) – GATE CS 2025 (Computer Science & Information Technology)**; demonstrated strong command over core subjects including Algorithms, Data Structures, OS, DBMS, CN, TOC, and Compiler Design.
- Solved 1000+ coding problems** across LeetCode, GFG, CodeStudio, and HackerRank; earned **4-Star (Python, SQL)** on **HackerRank** and recognized as **College Top Performer – Coding Ninjas**.
- Led technical operations for the ExTreme CSE Club, GCET; managed the complete recruitment cycle for **300+** members and organized **5+ large-scale coding contests** for **250+ participants**.
- Mentored **100+ peers** as a Technical Member of GDG-GCET & GFGSC-GCET; delivered instruction in advanced **Data Structures and Algorithms (DSA)** and contributed to **5+ hands-on technical workshops**.
- Achieved notable success in competitive events: **Top 5 Finalist – BitBox 5.0** and qualified for the college selection round of the **Smart India Hackathon (SIH 2024)**.
- Actively participated in major hackathons including **Matrix 2.0**, **Code Cubicle 3.0**, **Hacknovate 5.0**, and **GFG HackFest**.