# AISHNA GUPTA

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LeetCode: <https://leetcode.com/u/aishnagupta25/>

# COURSEWORK

Web Development, Database Management Systems, Data Analytics, Software Engineering, Python Programming, Object-Oriented Programming, Operating Systems

# EDUCATION

B. Tech in Computer Science

Raj Kumar Goel Institute of Technology, Ghaziabad 2022 - 2026 | CGPA: 8.2

# PROJECTS

**Medical Data Extraction** APRIL 2025

*Technologies****:*** *Python, OCR, Regex*

Built a Python pipeline to extract structured data from scanned medical PDFs. Used OCR to digitize printed text and regex for extracting key medical info.

Streamlined data extraction for healthcare analytics and record-keeping.

# Exploratory Data Analytics – Hospitality Domain JAN 2025

*Technologies****:*** *Python, Pandas, Matplotlib, Seaborn*

Performed EDA on hospitality datasets to identify trends and patterns. Analysed booking data, seasonal impacts, and customer behaviour.

Visualized insights using Matplotlib and Seaborn.

Provided data-driven recommendations for business improvements.

**Expense Tracking System** DEC 2024

*Technologies****:*** *Python*

Developed a CLI tool to manage and track personal finances. Enabled users to add, categorize, and view transactions.

Provided monthly analysis for budgeting and expense control.

**Online Bookstore Management System** SEPT 2024

*Technologie****s:*** *MySQL*

Designed a relational database with tables for books, customers, and orders. Imported CSV data and ensured data integrity using foreign keys.

Executed 20+ SQL queries for insights like revenue, stock, and customer behaviour. Enabled advanced analytics through joins, grouping, and aggregations.

# TECHNICAL SKILLS

* **Programming:** Python, Java
* **Frontend:** HTML, CSS, JavaScript
* **Frameworks:** Django, Streamlit
* **Databases:** MySQL, MongoDB
* **APIs s Testing:** FastAPI, RESTful APIs, Pytest, Pydantic
* **Tools:** VS Code, Jupyter Notebook, Git & GitHub