

# Mayank Gupta

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## EDUCATION

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### Lovely Professional University

*B.Tech in Computer Science and Engineering | CGPA: 9.2/10*

Jalandhar, Punjab

*Aug. 2023 – Present*

### Bal Bharti Vidya Peeth School

*Class 12 (Science) | 90%*

Gohana, Sonipat

*Mar. 2022 – May 2023*

## PROJECTS

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### AI-HealthCare-Chatbot – Group Project for Modern Healthcare Solutions

#### TypeScript, React, Node.js, PostgreSQL, Drizzle ORM, Vercel, HTML, CSS, Radix UI, Framer Motion

- Collaborated in a team to develop an AI-powered chatbot addressing real-world healthcare challenges, including instant access to basic medical information and mental health support.
- Designed and implemented an interactive chat interface using React and TypeScript, delivering responsive and accessible user experiences across desktop and mobile devices.
- Built robust backend services in Node.js with PostgreSQL for secure user management and persistent chat histories.
- Integrated authentication, session management, and secure data storage to ensure patient privacy and trust.
- Tackled the growing demand for AI-driven, scalable healthcare solutions in today's digital-first world.

GitHub: [github.com/mayank2295/AI-HealthCare-Chatbot](https://github.com/mayank2295/AI-HealthCare-Chatbot)

### EV-Trends-Analysis – Electric Vehicle Market Insights Python, Pandas, Matplotlib, Seaborn, Jupyter Notebook

- Analyzed real-world EV market data to identify key trends and patterns in electric vehicle adoption and growth.
- Collected and processed large datasets using Python and Pandas for efficient data cleaning, transformation, and manipulation.
- Employed data visualization techniques with Matplotlib and Seaborn to present insights on geographic distribution and market expansion.
- Utilized Jupyter Notebook for interactive analysis and clear, well-documented presentation of results.
- Delivered actionable insights to inform strategic decision-making and support further research in the EV domain.

GitHub: [github.com/mayank2295/EV-Trends-Analysis](https://github.com/mayank2295/EV-Trends-Analysis)

### Book\_my\_movie – Movie Ticket Booking System Java, JDBC, SQL, Maven

- Developed a comprehensive movie ticket booking platform allowing users to browse movies, select seats, and reserve tickets efficiently.
- Utilized Java for backend business logic, JDBC for seamless database connectivity, and SQL for robust data management and transaction support.
- Integrated Maven for build automation, dependency management, and maintaining a well-structured project folder hierarchy.
- Ensured secure booking workflows, reliable user registration, and smooth transaction processing.

GitHub: [github.com/mayank2295/Book\\_my\\_movie](https://github.com/mayank2295/Book_my_movie)

## TECHNICAL SKILLS

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- Languages: Python, Java, SQL, C, C++
- Data Science Tools: Excel, Tableau, Pandas, NumPy, Seaborn, Matplotlib
- Frameworks: Spring Boot, Django, REST APIs
- Databases: MySQL, PostgreSQL, MongoDB
- Tools: Git, GitHub, VS Code, IntelliJ IDEA, Postman  
Other Skills: DSA, JWT Auth, API Integration

## CERTIFICATIONS

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- Privacy and Security in Online Social Media – NPTEL (IIIT Hyderabad & IIT Madras, SWAYAM)
- Stress Management With Time Management: Prevent Burnout – Udemy
- Java Full Stack Developer – CodeForSuccess
- Introduction to Hardware and Operating Systems – IBM (Coursera)
- Data Structures & Algorithms (DSA) – NeoColab, Lovely Professional University

## PARTICIPATIONS

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- Top 50 Participant, Web-e-stan Hackathon
- Participant, RCF CTF Hackathon
- Volunteer, Earth Root Foundation (June 2024)