

Mohak Khatri

+91 7428464066 | mohakk.mk@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Bachelor of Science (Data Science and Applications) | 2021-2024

IIT Madras | CGPA: 8.02

Bachelor of Technology (Computer Science and Engineering) | 2020-2024

Guru Gobind Singh Indraprastha University (ADGITHM) | CGPA: 9.05

PROJECTS

LIBRARY MANAGEMENT SYSTEM V2.0 | Jan 2024 — Ongoing

- Full-stack web development project simulating the functionalities of an online library.
- Back-end specific jobs: JWT authentication, Daily reminder jobs, RESTful APIs, user triggered async jobs, monthly scheduled jobs, performance and caching.
- **Tech Stack:** Python(Flask), Vue.js, Bootstrap, SQLAlchemy, SQLite, Celery, Redis

TAXI FARE PREDICTION | Oct 2023 — Jan 2024

- **Tech stack:** Python (scikit-learn, numpy, pandas, matplotlib, seaborn, random)

FRAMINGHAM HEART DISEASE PREDICTION | Sep 2023 — Dec 2023

- Develop robust predictive models and assess their applicability to populations beyond the Framingham cohort.
- **Tech stack:** Python (scikit-learn, numpy, pandas, matplotlib, seaborn, random)

BUSINESS DATA MANAGEMENT (Capstone Project) | Apr 2023 — Aug 2023

- Studied about a business, identified a business problem, broke it down into suitable objectives and after thorough analysis, provided recommendations to overcome the problem.
- Data collection, cleaning, analysis, transformation, visualization, interpretation, documentation, implementation, feedback.

TICKET SHOW APPLICATION | Mar 2023 — Apr 2023

- Full-stack web development project simulating the functionalities of an online ticket booking platform.
- **Tech Stack:** Python(Flask), Bootstrap, SQLite, Jinja2, SQLAlchemy

VISITOR LOGGER | Aug 2022 — Sep 2022

- Full-stack web development project simulating the functionalities of an entry logger.
- **Tech-stack:** Python(Django), HTML, CSS, JavaScript, jQuery, AJAX, MS SQL Server, PostgreSQL.

WORK EXPERIENCE

MODERN APPLICATION DEVELOPMENT PROJECT MENTOR | IIT Madras | Feb 2024 - Ongoing

- Helped the student cohort in application development projects, debugging python codes and increasing efficiency.
- **Tech Stack:** Python(Flask), Bootstrap, SQLite, Jinja2, SQLAlchemy

SOFTWARE DEVELOPER (INTERN) | Paramount Products Pvt. Ltd. | Aug 2022 - Sep 2022

- Collaborated on various back-end and front-end functionalities for projects.
- Refactored legacy code to improve reliability, scalability and maintainability.
- **Tech-Stack:** Python(Django), HTML, CSS, JavaScript, jQuery, AJAX, PostgreSQL, MS SQL Server, Tailwind

ACHIEVEMENTS

- Achieved a top 6% rank in 'Taxi Fare Prediction', a machine learning competition.
- Flipkart Grid 5.0 Software Development track- Level 1.1 qualified
- Flipkart Grid 5.0 Robotics Challenge - Level 1 qualified
- Codekaze'23 by Coding Ninjas round 1 qualified

SKILLS AND COURSEWORK

Python, Java, C/C++, JavaScript, Flask, Vue.js, Bootstrap, Tailwind, jQuery, AJAX, Celery, Redis, Git/GitHub, SQLAlchemy ORM, JWT, Object Oriented Programming, Data Structures and Algorithms, Linux Commands, Machine Learning, Database Management System, SQLite, Webhooks, Business Data Management, Data Science, Data Analytics, REST APIS, Computer Networks, Operating Systems, Scipy, Numpy, Matplotlib, Pandas, scikit-learn, PostgreSQL, MSSQL Server, MySQL, Django