

YASH SINGHAL

Delhi, India

+91 8920928636 ♦ yash.singhal.tech@gmail.com

linkedin.com/in/yashs24 ♦ github.com/24yash

EDUCATION

B.Tech. in Information Technology and Engineering	Maharaja Agrasen Institute of Technology (GGSIPU)	CGPA: 8.83	2021-2025
B.S. in Data Science and Applications	Indian Institute of Technology Madras (IITM)	CGPA: 8.59	2021-2025
CBSE (XII)	Vishal Bharti Public School	93.2%	2021

EXPERIENCE

Data Analytics Intern

July 2024

Punjab National Bank, MISD Department

- Developed an intelligent **Car Loan Application system using LLMs** for automating user information gathering and function/API calling with existing systems. Dynamically populated PDF forms and containerized with Docker for scalable deployment, significantly streamlining the loan application process.
- Utilized open-source Large Language Models locally for NLP tasks such as Summarizing large internal documents.

Application Development Project Mentor

Oct 2023 – June 2024

Indian Institute of Technology Madras

- Conducted intensive **bootcamps** on application development, teaching students in building complex web applications like a feature-rich social media webapp with CRUD operations and RESTful APIs.
- Mentored and guided a cohort of students through their academic projects, including development of a robust music streaming platform, resulting in **85%** of mentees achieving excellent grades.

PROJECTS

QuickML: Automated Machine Learning Platform

[Demo](#) | [Github](#)

- Built a Web App to **automate machine learning** workflows with scikit-learn.
- Enabled data preprocessing, model selection, and training through a user-friendly interface.
- Provided automated predictions on user-uploaded test datasets, enhancing **accessibility** to machine learning for non-technical users.

Show Time: Movie Ticket Booking Web Application

[Demo](#) | [Github](#)

- Spearheaded the development using Flask and Vue.js, featuring **CRUD** operations for theatre and movie management.
- Implemented admin privileges, user authentication, secure ticket booking, and rating system.
- Enhanced performance by implementing **caching** resulting in a performance improvement of **96.51%** with Redis and automated tasks using Celery.

Data-Driven Financial Analysis for a Vegetable Business

[Presentation](#) | [Github](#)

- Collected and analysed 31 days of transactional data of a local unorganised vegetable business: Gained financial insights and determined ideal pricing margins, resulting in a potential profit increase of **₹4,581**.
- Employed **time-series** analysis, statistical computations, and **regression** modelling: Formulated effective strategies that enhanced pricing and operational efficiency, leading to a clearer understanding of daily profitability.
- Developed Credit management Practices to minimize financial risks based on creditor data patterns.

SKILLS

Programming Languages:

C++, Python, JavaScript, SQL, Java

Data Science & Machine Learning:

Pandas, NumPy, Scikit-learn

Web Development:

Flask, Vue.js, Node.js, Bootstrap, Git

Other Skills:

Algorithms & Data Structures, Object-Oriented Design

PROFILES

Leetcode

leetcode.com/Yashcodes

Kaggle

kaggle.com/yashskaggle

CERTIFICATIONS

Machine Learning Specialization by Dr. Andrew Ng

[Certificate](#)

Data Structures with C++ by Coding Ninjas

[Certificate](#)