

Nikhil Kumar

nikhilkumarsingh1366@gmail.com | +91-7294052599 | LinkedIn | GitHub

EDUCATION

CMR University

B.Tech in Computer Science & Engineering

Bangalore, India

2023 – 2027 (Expected)

SKILLS

- **Languages:** C++, Python, SQL
- **Backend & Frameworks:** Flask, REST APIs, SQLAlchemy
- **Data & Libraries:** Pandas, NumPy, Seaborn, Matplotlib
- **Tools & Platforms:** Git, GitHub, VS Code
- **CS Fundamentals:** Data Structures & Algorithms, OOP, DBMS, OS, CN

PROJECTS

Personal Expense Tracker

Flask, SQL, Bootstrap

Developed a full-stack expense tracker web app with user authentication and CRUD functionality.

Integrated Flask-SQLAlchemy with SQLite for persistent expense storage and retrieval.

Built a responsive UI using HTML, CSS, and Bootstrap for smooth user experience.

Implemented data visualization with Matplotlib to track spending patterns.

Movie Recommendation Web App

Flask, Python, SQL, Scikit-learn

Designed and deployed a Flask-based web app that recommends movies using cosine similarity and popularity metrics.

Implemented recommendation logic with Pandas, NumPy, and Scikit-learn.

Developed REST API endpoints for serving recommendations and user interactions.

Managed user ratings and movie database with Flask-SQLAlchemy.

RELEVANT COURSEWORK

Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, Software Engineering

ACHIEVEMENTS

- Solved **150+ coding problems** across LeetCode (NeetCode 150, Blind 75).
- Active participant in **competitive programming contests** on Codeforces & CodeChef.

EXTRACURRICULAR

- Member of **Google Developer Student Club (GDSC)**, participated in hackathons and coding workshops.
- Engaged in open-source contributions and collaborative GitHub projects.