

Vikas Kumar

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Education

The NorthCap University

BTech in CSE (GPA: 9.19 / 10.00)

The SCR Public School

Class 10: 90.5% Class 12: 81%

Expected May 2026

Gurugram, Haryana

2007-2021

Gurugram, Haryana

Experience

Muskan Enterprises

Jan 2024 – July 2024

Project Lead

Gurugram, Haryana

- Managed a team of developers, assigning tasks, ensuring timely completion, and maintaining high standards of code quality.
- Designed the complete database schema in MySQL and SQLite, created data models, and seeded initial data.
- Developed backend functionalities using Flask with Pycharm, including designing APIs with Flask-Smorest, implementing JWT-based authentication, and utilizing Flask-Security-Too for enhanced security.

UTS

June 2024 – July 2024

Machine Learning Intern

Gurugram, Haryana

- Developed an Stock market prediction application using Azure AI services, resulting in a highly accurate and scalable solution.
- Handled model development, data preprocessing, and deployment, ensuring seamless integration into a functional application.
- Collaborated with a team to optimize model performance, achieving significant improvements in prediction accuracy and model efficiency.

Projects

Metro Route Predictor | Java, JavaFx, JSON, Maven

- Led the team and the project and software development life-cycle. Was responsible for assigning task and overseeing that the task was completed by deadline.
- Designed the app model and architecture. Created interfaces for key classes to ensure integrity.
- Used web scrapping to get all the data for the project. Cleaned the data and converted to usable JSON format.
- Designed and implemented the GUI using JavaFx for the app. Made a clean and usable interface that is easy to use and understand and responsive.
- Used Maven for streamlining the development over different systems of the team members.

Bank Management System | C

- Built a command line based bank management system using text file as storage.
- Added basic features of a bank - creating an account, adding balance, transferring money, checking balance, looking up transaction details.

Notes App | Java, JavaFx, SQLite, JDBC, Maven

- Built a quick and light note taking app using Java and Javafx
- Created a simple and clean GUI for adding notes and removing notes. Provided easy way to switch and select different notes.
- Implemented SQLite database to store and retrieve notes data in app database.

ToDo App | Java, JavaFx, Maven

- Built a easy to use ToDo list which is easy to use and understand.
- Added features to add new task and mark any task as completed or uncomplete easily using checkbox mechanism.

Technical Skills

Languages: Java, C, Python, SQL

Technologies: JavaFx, SQL Connectivity, NumPy, Pandas, Matplotlib, JDBC, Maven

Concepts: Databases, Computer Networks, Data Structures and Algorithms, Cyber Security, Basic Machine Learning, TeamWork, Leadership