

SHIVAM GUPTA

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EDUCATION

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Marik Institute of Computing, Artificial Intelligence and Machine Learning, NIMS University — 2021 - 2025

Relevant Coursework: Data Structures & Algorithms, Database Management Systems (DBMS), Operating Systems, Software Engineering, Computer Networking

EXPERIENCE

Java Development Intern

Neevas – Sept 2024 - Oct 2024

- Developed various console-based applications, including a simple calculator, banking application, student management system, inventory management system, and mini e-commerce platform using Java.
- Implemented features such as file handling, user authentication, data persistence, and CRUD operations.
- Collaborated with team members using Agile methodologies to troubleshoot issues and optimize code performance.
- Uploaded project files to GitHub and created project showcases through video presentations.

PROJECTS

1. I-Hospital (Hospital Management Application)

Tech Stack: Java, Android Studio, Firebase, XML, Firebase Authentication, Firebase Realtime Database, Firestore

- Designed and developed a modern Android application to streamline hospital operations for staff and patients.
- Implemented key features like patient appointment scheduling, staff login with unique ID verification, password recovery via Firebase, and a chatbot for real-time support.
- Optimized data management using Firebase Realtime Database and Firestore without incurring additional costs.
- Created a visually appealing, user-friendly interface with advanced layouts and customizable themes, improving user experience.

2. SuperMarket Billing System

Tech Stack: Java, Swing, MySQL

- Built a Java Swing-based desktop application integrated with MySQL for robust database management.
- Implemented distinct Admin and Cashier profiles, enhancing role-specific functionalities.
 - Cashier: Create orders, add products, and display bills in real-time.
 - Admin: Manage customers, products, stock, view cashier login/logout details, and generate sales reports.
- Designed to streamline supermarket operations with an intuitive user interface, reducing operational inefficiencies.

SKILLS

Technical Skills

Programming Languages: Java, C++, XML

Web Development: HTML, CSS, JavaScript

Databases: MySQL, Firebase

Development Tools: Git, GitHub, IntelliJ IDEA, Visual Studio

Code, Android Studio

Frameworks: Spring Boot (Basics)

Methodologies: Agile, SDLC

Concepts: Data Structures, Algorithms, OOP, DBMS, Computer

Networking, Operating Systems

Soft Skills

- Problem-Solving
- Communication
- Teamwork
- Collaboration
- Adaptability
- Time Management

EXTRA CURRICULAR & CERTIFICATIONS

Walmart USA Advanced Software Engineering Virtual Experience Program on Forage - March 2025

- Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a variety of teams at Walmart.
- Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
- Designed a UML class diagram for a data processor, considering different operating modes and database connections.
- Created an entity relationship diagram to design a new database accounting for all requirements provided by Walmart's pet department.

JPMorgan Chase & Co. Software Engineering Lite virtual experience program on Forage - September 2024

- Completed a simulation focused on the process of completing an engineering ticket for a system in the credit-card rewards department of JPMorgan Chase & Co.
- Created a new class to get an existing system up and running.
- Wrote a comprehensive test suite for the newly added class.

Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage - September 2024

- Completed a simulation involving creating data visualizations for Tata Consultancy Services.
- Prepared insightful questions for a meeting with client senior leadership.
- Created visuals for data analysis to help executives with effective decision making