

Navneet Gupta

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Education

VIT Bhopal University, Bhopal, Madhya Pradesh

Apr 2022 - Present

B.Tech in Computer Science & Engineering GPA: 8.40/10

Delhi Public School, Gwalior, Madhya Pradesh

Jul 2021

12th Standard (CBSE) Percentage: 90.8%

Delhi Public School, Gwalior, Madhya Pradesh

May 2019

10th Standard (CBSE) Percentage: 89.6%

Experience

GC Cloud Info System Pvt. Ltd

On-site (Lucknow)

Full Stack Web Developer Intern

Dec 2024 – Feb 2025

- **Spring Boot Framework:** Studied Spring Boot, a leading Java framework, to design and develop scalable backend systems, ensuring robust API integration and server-side logic.
- **UI/UX Development:** Built dynamic, responsive front-end interfaces using HTML, CSS, JavaScript, and modern libraries, improving user engagement by streamlining navigation and interactivity.
- **Project Lifecycle Management:** Led end-to-end development of a personal project, from requirement analysis and design to deployment, adhering to Agile methodologies and version control (Git).
- **Impact:** Strengthened full-stack development expertise, delivering a production-ready application while adopting industry best practices for code quality and documentation.

Projects

Geovision: Geographic Data Visualization Platform

- I developed a platform leveraging PostgreSQL with PostGIS to store and query GeoJSON data for rendering country boundaries on Leaflet.js maps.
- Utilized PostGIS spatial functions to generate polygons on map markers, dynamically highlighting the corresponding country.
- Implemented route optimization algorithms to calculate the shortest path by land from the user's location to a specified destination.
- **Technologies:** Java, PostgreSQL (PostGIS), JavaScript, Leaflet.js, HTML, CSS
- Enabled interactive, data-driven map visualizations with real-time filtering and responsive UI across devices.
- Optimized performance for large spatial datasets, ensuring smooth rendering and efficient query execution

VastraVerse | Python, Flask, HTML, CSS, JavaScript, Stable Diffusion, ControlNet, Gemini API

- Engineered an AI-driven cultural platform integrating computer vision and NLP to promote heritage awareness among modern users.
- Implemented Virtual Try-On using Stable Diffusion and ControlNet for personalized traditional attire visualization based on uploaded images.
- Built a Cultural Chatbot using Gemini API, achieving 96% response accuracy through NLP-based intent parsing and real-time query handling.
- Developed a modular Flask backend with RESTful APIs and an interactive frontend using HTML/CSS/JavaScript for seamless UX.
- Result: A culturally immersive, AI-powered platform that revitalizes heritage awareness among modern users through virtual interaction and reliable guidance.

Skills

- **Languages:** Python, C++, Java, JavaScript, SQL
- **Frameworks:** Flask, ReactJS, Tailwind CSS, Spring Boot, NodeJS, NumPy, Pandas, Scikit-learn, Keras, JUnit
- **Databases:** PostgreSQL, MySQL, MongoDB
- **DevOps, Cloud & Tools:** Git, GitHub, Postman, AWS (basic), Azure (basic), Figma, OpenCV
- **Other Skills:** REST APIs, OAuth 2.0, JWT, MVC architecture, Agile methodology, Bash scripting

Achievements & Certifications

- Attained a 5-star rating on HackerRank in C++ and Python.
- Secured 3rd rank in the Bug Bonanza event organized by the GeeksforGeeks club at VIT
- The Bits and Bytes of Computer Networking (**Coursera**)
- SQL (Advanced) (**HackerRank**)
- NPTEL Cloud Computing (**NPTEL**)

Hobbies: Travelling, Music