**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

**Anemia Detection using Conjunctiva Images**

* Achieved 93% accuracy in predicting anemia disease using CNN and 95% post-scaling with Random Forest Classifier.
* Gathered a comprehensive dataset of conjunctiva images containing 4,262 images across both anemic and non-anemic classes, ensuring data quality and integrity through preprocessing steps.
* Employed Random Forests for classification, leveraging extracted features of CNN to accurately identify anemic conditions from images.
* Secured a 96% recall rate for anemia detection using Random Forest, demonstrating robust algorithmic implementation.
* **Technologies**: Python, ML, DL, OpenCV, Keras
* Result: Detection of Anemia Using Conjunctiva Images.

# **Skills**

* **Languages**: Python, C++, Java, JavaScript, SQL
* **Frameworks**: ReactJS, Tailwind CSS, Spring Boot, NodeJS, NumPy, Pandas, Scikit-learn, Keras
* **Tools**: GIT, PostgreSQL, MySQL, Figma, OpenCV
* **Soft Skills**: Communication, Public Speaking

# **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