Abhinav Gupta

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EDUCATION

VIT Bhopal University	*8.83 GPA*
Bachelor of Technology in Computer Science, Specialization in Cloud Computing	*October 2022 - present*
Mantora Public School, Kanpur	*83.2 %*
12th (CBSE)	*2020 – 2021*
Pt. DDUSDV, Kanpur	*91.2 %*
10th (CBSE)	*2018 - 2019*

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, JavaScript, HTML/CSS
Frameworks: React, Node.js, Express, MongoDB, Tailwind CSS, FetchAPI
Developer Tools: Git, GitHub, VS Code, Postman
Libraries: pandas, NumPy, Matplotlib

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Database Management System
- Object Oriented Programming

PROJECTS

Blogverse / *MongoDB, Express, React, NodeJS* — January 2025 - present
- Designed and implemented secure user authentication with MongoDB, ensuring encrypted data storage and enhanced security.
- Integrated **Cloudinary API** for customizable user avatars and efficient media management.
- Leveraged **Fetch API** for asynchronous data retrieval, reducing latency and improving content display efficiency.
- Developed a responsive and dynamic user interface using React, enhancing user engagement and experience.

HCV Detection / *Python, Scikit-Learn, Random Forest* — October 2024
- Cleaned and pre-processed Hepatitis C dataset, **handling missing values** and optimizing data for analysis.
- Built and tuned a Random Forest classifier using GridSearchCV, achieving **93.50%** prediction accuracy.
- Evaluated model performance with a **confusion matrix** and **accuracy score**, ensuring reliable diagnostics.
- Created a scalable function to predict Hepatitis C status from new patient data using the trained model.

ForeCast / *HTML, CSS, JavaScript, OpenWeatherAPI* — July 2024
- Implemented **LocalStorage** to save user city preferences, enabling persistent and personalized data across sessions.
- Developed dynamic city management features, allowing users to add, remove, and view real-time weather updates.
- Optimized app performance by utilizing **FetchAPI** and displaying weather data for seamless user interaction.

CERTIFICATIONS

HTML, CSS, JavaScript for Web Developers	Coursera
Machine Learning A to Z	Udemy
Python essentials by VITyarthi	VITyarthi

EXTRACURRICULARS AND ACHIEVEMENTS

- Solved 500+ problems across various platform including ***Leetcode, GeekForGeeks, Codeforces***, and more.
- Core Member, Photography and Movie Making Club, ***VIT Bhopal***
- Core Member, iOS Club, Videography Team, ***VIT Bhopal***