

# ABHINAV GUPTA

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## Education

### VIT Bhopal University, Bhopal

*B.Tech in Computer Science, Specialization in Cloud Computing*

October 2022 – Present

GPA: 8.99 / 10.0

### Mantora Public School, Kanpur

*12th (CBSE)*

2020 – 2021

Score: 83.2%

### PDDUSDV, Kanpur

*10th (CBSE)*

2018 – 2019

Score: 91.2%

## Experience

### Supersite – Software Engineering Intern

*Construction Management Software*

July – August 2025

- Contributed to the React project using Hooks, ShadCN UI, and Tailwind CSS, improving responsiveness and maintainability.
- Developed and debugged **RESTful** APIs in Express.js, using **Postman** for testing to ensure efficient data flow and reliable backend–frontend connectivity.
- Enhanced UI/UX by resolving **Figma** design inconsistencies and collaborating with cross-functional teams, delivering pixel perfect, user-centric features that improved usability and consistency.

## Projects

### VyaaparMitra | *Next.js, Strapi, ShadCN UI, TailwindCSS*

[GitHub](#)

- Developed a scalable **SaaS-based** Inventory Management **ERP platform** with responsive architecture using **ShadCN UI**.
- Implemented secure authentication using **NextAuth.js** (Credentials), **JWT-based** authorization, and **role-based access controls** to ensure robust data security and controlled feature access.
- Built backend APIs in **Strapi v5** with custom content types, granular permission layers, and optimized database transactions.
- Created inventory, product, category, and **POS modules** with filters, invoicing, and real-time dashboards for better insights.

### Blogfinity | *MongoDB, Express, ReactJs, NodeJs, TailwindCSS*

[GitHub](#)

- Built a scalable blog platform with **JWT** authentication using **role-based access control** for admins and users securely.
- Designed a fully responsive and accessible **UI** utilizing **Tailwind CSS**, achieving excellent Lighthouse scores for accessibility.
- Developed secure **REST APIs** with Express and Mongoose, enabling concurrent CRUD operations per second efficiently.
- Integrated **Axios** for efficient frontend-backend communication and managed state using **React hooks** and **Context API**, improving user responsiveness by 30%.

### HCV Detection | *Python, Scikit-Learn, RandomForest, Flask*

[GitHub](#)

- Cleaned and transformed large medical datasets, reducing null and inconsistent data by **100%** using **pandas** and **NumPy**.
- Trained a **Random Forest classifier** to achieve **93.5% accuracy** via **GridSearchCV** on 5000+ patient records dataset.
- Deployed a robust prediction function for real-time medical inputs, enabling smooth integration into web or software tools.
- Designed a **RESTful API** in **Flask** for accurate real-time predictions, handling over 12 input parameters in every request.

## Technical Skills

**Languages:** C/C++, SQL, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, MongoDB, Tailwind CSS, Strapi

**Developer Tools:** Git, GitHub, VS Code, Postman

**Relevant Coursework:** Data Structure and Algorithms, Object Oriented Programming, Database Management System

## Extracurriculars and Achievements

- Secured a global rank of **1910** out of **34,694 participants** solving 3 out of 4 problems in LeetCode Biweekly Contest 163.
- Achieved a **LeetCode** rating of **1644** by solving over **500** problems on Data Structures, improving problem-solving skills.
- Ranked in the **top 5%** among 15,000+ teams in the **Amazon HackOn** coding challenge, showcasing strong coding skills.
- Completed **HTML, CSS, JavaScript for Web Developers** (Coursera) and **Machine Learning A-Z** (Udemy).

## Positions of Responsibility

**iOS Club, VIT Bhopal** – Volunteered in conducting multiple big technical events attended by hundreds of participants.

**Photography and Movie Making Club, VIT Bhopal** – Created content for the university's official Instagram handle.