Prashasti Priya

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EDUCATION

- **VIT Bhopal University**   *(May 2026)*
  Bachelor of Technology in Computer Science & Engineering | CGPA: **9.09**

Skills

Programming Languages & Tools: C++, Python, PostgreSQL, Git, GitHub, VS Code.
Frameworks, Libraries & Web Technologies: React.js, REST API.

Projects

Ecomzy – E-Commerce Website   **(May 2025 - June 2025)**
Tech Stack: Django, Python, SQLite, HTML, CSS, React
- Developed a full-stack e-commerce website, "Ecomzy," leveraging React.js for a dynamic frontend and Django for a robust backend, with SQLite to efficiently manage over 2000+ product and user records.
- Implemented essential e-commerce functionalities including product listings, search, user registration/login, shopping cart, and order placement, integrated RESTful APIs for seamless frontend-backend communication.
- Focused on crafting a responsive UI, optimizing page load speed, and scalable modular architecture, applying best development practices to ensure long-term performance, scalability, and maintainability across all devices.

Bright Future –College Website   **(Feb 2025 - March 2025)**
Tech Stack: Django, Python, SQLite, HTML, CSS, AWS
- Developed a responsive and interactive course and mentor booking website using Django, implementing user-friendly navigation, dynamic content rendering, and secure authentication through Django's built-in auth system.
- Configured and integrated SQLite as the backend database to store and manage student records, faculty profiles, and announcements efficiently, ensuring smooth data flow across different views and templates.
- Collaborated with ChatGPT throughout development for UI design suggestions and coding best practices.
- Deployed the project using AWS Elastic Beanstalk to achieve scalability, load balancing and cloud accessibility.

Stock Market price predictor   **(Ongoing)**
Tech Stack: Python, Pandas, NumPy, scikit-learn, Matplotlib
- Designed and implemented a stock trend prediction model using the K-Nearest Neighbors (KNN) algorithm in Python, analyzing NSE-TATAGLOBAL data to forecast short-term movements based on historical trading data.
- Processed 1,200+ rows and 8 columns, to extract meaningful insights and identify patterns in stock price fluctuations and generated 25+ visual plots to extract insights and improve market responsiveness.

Co-curricular

Lakecity Hack-2024 (JLU Bhopal)
   No Code Hackathon : (Winner)
- Proposed a wearable device leveraging Computer Vision and Natural Language Processing to translate hand signals into speech and spoken words into subtitles, enhancing accessibility through smart glasses.
- Demonstrated market potential with a detailed study: Total Addressable Market (TAM): $70B, Serviceable Available Market (SAM): $2.26B, and Serviceable Obtainable Market (SOM): $56.5M.

Extracurricular

International English conference   **(Nov 23)**
- Volunteered with event management team, handling documentation, record management, and coordinating with professors from 10+ states and 5+ countries, ensuring smooth execution for 200+ attendees.

Sports   VIT Bhopal
- Participated in **Arambh22** basketball and our team bagged **gold**, played as defender.
- Participated in **Advitya23** Cricket and our team bagged **gold**

Hobbies

Mandala art, Table tennis, Basketball, cooking

Languages

Additional Information

- **LeetCode**
  Successfully mastered **332 algorithmic challenges**, which focused on Dynamic Programming, Divide and Conquer, Binary Search, Hash Table, Recursion, Greedy, Array, Sorting, Two Pointers, Matrix, String, Simulation, and Linked List in C++.

Projects

Bright Future –College Website   (Feb 2025 - March 2025)
Tech Stack: Django, Python, SQLite, HTML, CSS, AWS
- Developed "**Bright Future**," a responsive college website using the **Django web framework**.
- Implemented secure **user authentication** with login and registration using Django's built-in auth system.
- Connected the application to an **SQLite** database for backend data storage and efficient data handling.
- Deployed the application using **AWS Elastic Beanstalk** to ensure high availability and scalability.
- Collaborated with ChatGPT for guidance on UI design and coding best practices.
- Followed best practices in **web development** to ensure code readability, performance, and maintainability.

Stock Market price predictor   **(Ongoing)**
- Currently building a Python-based machine learning project that utilizes the k-Nearest Neighbor (KNN) algorithm for predicting stock price trends based on historical data.
- Analyzing and processing the NSE-TATAGLOBAL dataset, which contains 1,236 rows and 8 columns, to extract meaningful insights and identify patterns in stock price fluctuations.
- Analyzed and visualized stock price movements through advanced techniques, creating over 25 informative plots that facilitated actionable insights, ultimately improving the team's responsiveness to market changes.

LeetCode
  Solved 190+ algorithmic problems on LeetCode covering diverse topics including DFS, BFS, Hash Tables, Arrays, Strings, String matching, Recursion, Two Pointers, Sliding Window, Prefix Sum, Linked Lists, Stacks, Bit Manipulation, Sorting, Simulation, Divide and Conquer, Priority Queues, and Matrices.

Auditorium booking website   **(Aug 2023-Nov 2023)**
- Led frontend development using HTML, CSS, and JavaScript, enhancing user interactivity across multiple pages. Implemented login/logout functionality and optimized UI with advanced CSS techniques.
- Designed an intuitive navigation bar with 6 primary links, incorporating over 20 HTML tags; streamlined user interaction, improving access time by ~3 seconds per page load for better browsing efficiency.

Achievements

Lakecity Hack-2024 (JLU Bhopal)
- Awarded 1st Prize at the No Code Hackathon for proposing an assistive device for the deaf community.
- Proposed a wearable device leveraging Computer Vision and Natural Language Processing to translate hand signals into speech and spoken words into subtitles, enhancing accessibility through smart glasses.
- Demonstrated market potential with a detailed study: Total Addressable Market (TAM): $70B, Serviceable Available Market (SAM): $2.26B, and Serviceable Obtainable Market (SOM): $56.5M.

HackerRank
- **4star in C++ (silver badge):** Successfully tackled 20 challenging questions, placing a strong emphasis on Arrays, vectors, object-oriented programming, pointers, STL and other fundamental concepts.
- **3star in Python:** Successfully solved 20 questions that majorly focused on the fundamental concepts.

Extracurricular

Android Club (Content team Lead)   **(Nov 23 - till date)**
- Led content creation for 10+ events, boosting participant engagement by 20% through strategic planning.
- Mentored 5+ juniors in content writing, leadership, and event planning, increasing team productivity by 40%

International English conference   **(Nov 23)**
- Volunteered with event management team, handling documentation, record management, and coordinating with professors from 10+ states and 5+ countries, ensuring smooth execution for 200+ attendees.