ARANYA BAHUGUNA

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Education

VIT Bhopal University   (Expected May, 2026)
    B. Tech CSE(Core)   CGPA: 8.71

Skills

- HTML, CSS, JavaScript, Web flow, PHP, Python, Java, Figma, React, Vite, MongoDB, Supabase, Firebase.
- Java, MySQL, DBMS, Python.

Projects

SOS-Service   (Sep, 2024 – Feb, 2025)

- Led full-stack development of an SOS Emergency System using React, enabling real-time streaming and display of images and location data, ensuring timely and accurate information delivery on the web interface.
- Built and integrated secure APIs connecting the mobile app, machine learning backend, and web interface, improving data transmission reliability and reducing update delays.

Inventory Management   (Jan, 2025 – Feb, 2025)

- Created a comprehensive Inventory Management System using the MERN stack, enabling efficient addition, update, and real-time tracking of inventory items with a clean and intuitive user interface, improving accuracy.
- Implemented role-based access control to manage 3 distinct user roles, supporting scalable operations and enabling instant inventory status updates with less than 2-second delay through seamless client-server communication.

AES Image Encryptor   (Feb, 2023 – May, 2023)

- Developed an advanced image encryption platform using AES, boosting data security and reducing breaches in the first quarter while improving processing speed through optimized encryption algorithms.
- Collaborated with the front-end team to design a user – friendly interface, streamlining secure image uploads and encryption process, which improved upload efficiency and enhanced overall user satisfaction and system integration.

Internship and Certification

- Internship at Indian Space Lab – Completed 30+ hours of hands-on training in Advanced Drone Technology, focusing on UAV design, autonomous navigation, and remote sensing. Gained practical experience with flight control systems and mission planning. Explored applications in aerial surveying and environmental monitoring.
- Certifications: IBM Machine Learning, NPTEL Cloud Computing, Business Analyst, MERN Stack, IBM Cyber Security

Extra-Curricular and Achievements

Achievements
- Ecom-Thon Runner-up: Secured 2nd place in a competitive tech-cultural fest by pitching our idea.

Extracurricular
- Cricket: Secured 1st pace at Aarambh 2022 and 2nd place in Advitiya 2023.
- Core-Member, NSS VIT Bhopal – Led a team for NSS Tree Plantation Drive for planting 10,000 trees, participated in 2 7-day Special Camp, and contributed in NSS Youth Parliament.
- Founder and Coordinator of Pahadi Club VIT Bhopal.

Additional Information

- Hobbies: Playing Guitar, Gaming, Cooking, Writing, Sports.
- Languages: English (Professional working proficiency), Hindi (Native or bilingual proficiency).
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