

ARANYA BAHUGUNA

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[Aranya LinkedIn](#)

EDUCATION

- **VIT Bhopal University** (Sept, 2022 – Present)
B. Tech CSE(Core) | CGPA: 8.72
- **Rainbow Public School, Srinagar Garhwal, Uttarakhand** (March, 2020 – July, 2022)
Higher Secondary | Percentage: 93.3%

SKILLS

- HTML, CSS, JavaScript, Web flow, PHP, Python, Java, Figma, React, Vite, Mongodb, Supabase, Firebase.
- Java, MySQL, DBMS, Python, The Analytical Mind, Android.

PROJECTS

SOS-Service (Sept, 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 with less than 10-second latency, ensuring timely and accurate information delivery on the web interface.
- **Developed and integrated secure APIs** connecting the mobile app, machine learning backend, and web interface, improving data transmission reliability and reducing update delays by approximately 20%. [Project Link](#)

Inventory Management (March, 2025 – April, 2025)

- **Developed a full-stack 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 inventory accuracy by **25%**.
- Implemented role-based access control to manage **3 distinct user roles**, supporting scalable operations and enabling real-time inventory updates with less than **2-second delay** through seamless client-server communication. [Project github repo](#)

AES Image Encryptor (Feb, 2024 – May, 2023)

- **Developed an advanced image encryption** platform using AES, boosting data security and reducing breaches by 50% in the first quarter while improving processing speed by 30% through optimized encryption algorithms.
- **Collaborated with the front-end team** to design a user-friendly interface, streamlining secure image uploads and encryption processes, which improved upload efficiency by **30%** and enhanced overall user satisfaction and system integration. [Project Link](#)

Experience

- **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.
- **Completed 4 industry-relevant certifications** including IBM Machine Learning, MERN Stack Development, and NPTEL courses on Cloud Computing and Business Analytics, showcasing a commitment to continuous learning and broadening technical expertise.

EXTRA-CURRICULARS AND ACHIEVEMENTS

ACHIEVEMENTS

- **Cricket Achievements:** Secured **1st place at Aarambh 2022** and **2nd place at Advitiya 2023**, demonstrating strong leadership and teamwork skills in competitive, high-pressure environments.
- **Ecom-Thon Runner-up:** Secured 2nd place in a competitive tech-cultural fest by solving complex economics challenges.
- **Finished 100 days G Viswanathan challenge** a focused coding challenge in Java and DSA in geeks for geeks to build strong problem-solving skills.

EXTRACURRICULAR

- **Core Member, NSS VIT Bhopal** – Led a team in two 7-day Special Camps and the NSS Plantation Drive, contributing to community service and participating in the Youth Parliament.
- **Pahadi Club Coordinator** – Led the screening of 50+ members, promoting regional heritage and student engagement and coordinate the KAUTHIK 1 event in Advitiya 2025.

ADDITIONAL INFORMATION

- **Hobbies-** Guitarist, Gaming, Cooking, Listening Music, Sports.
- **Languages:** English (Professional working proficiency), Hindi (Native or bilingual proficiency)