

Shripati Vaibhav Maitrey

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EDUCATION

VIT Bhopal University – Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science Engineering

Cumulative GPA: 8.47/10

Relevant Coursework: Object-Oriented Programming, Database Management, Computer Networks, Operating Systems

Expected Graduation: July 2026

East Point School – New Delhi

Class 12 CBSE

Percentage: 93%

March 2020 – June 2021

Class 10 CBSE

Percentage: 87%

March 2018 – June 2019

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, Java
- **Web Technologies:** HTML, CSS, Tailwind CSS, JavaScript, React.js, Node.js, Express.js
- **Database Management:** MySQL, MongoDB

WORK EXPERIENCE

Bharat Heavy Electricals Limited

Engineering Trainee

Oct 2024- Jan 2025

- Engineered and implemented software solutions using Java, MySQL, and UML, leveraging object-oriented principles to address real-world challenges and achieve a 20% improvement in system efficiency.
- Collaborated with industry professionals to design systems, optimize inventory tracking processes, and drive digital transformation initiatives, resulting in a 30% reduction in manual tracking errors.
- Developed and executed project workflows, successfully managing 5+ end-to-end projects and delivering solutions on time, improving team productivity by 15%.

PROJECTS

Swasthify – Next.js, Twilio, TypeScript, TailwindCSS

Jan 2024 – May 2024

- Engineered a Patient Management System using Next.js, TypeScript, and TailwindCSS, improving user interface responsiveness by 40% and streamlining patient record access.
- Integrated Twilio APIs to enable automated appointment reminders and secure two-factor authentication, reducing missed appointments by 25%.
- Deployed the application on a scalable cloud platform, ensuring 99.9% uptime, and optimized backend performance to handle 500+ daily user interactions efficiently.

HealthSync – Machine Learning-Powered Healthcare Website – HTML, CSS, JavaScript, Python, Django, MongoDB

Jan 2024 – May 2024

- Designed interactive features boosting user retention by 20% and experience by 30%.
- Integrated a predictive ML model with 97.6% accuracy to detect chronic diseases.
- Presented intricate technical findings during team meetings, clarifying the integration process for predictive ML models; enhanced collaboration among developers and increased project completion speed by 15%.

NoteWise – HTML, CSS, Javascript, Python, Django

Aug 2023 – Nov 2023

- Designed and developed a responsive note-taking website, integrating an AI ChatBot using HTML, Python Django, and CSS, resulting in a 25% increase in user interaction time.
- Optimized website functionality by collaborating with a team to create an intuitive interface, enhancing user engagement and achieving a 30% improvement in user satisfaction based on feedback.
- Implemented advanced features and streamlined backend processes, ensuring efficient AI ChatBot integration and improving website performance by 40% in load time.

ADDITIONAL

Languages: Fluent in English and Hindi

Certifications: NPTEL – Cloud Computing (IIT Kharagpur), **The Bits and Bytes of Computer Networking** (Coursera), **Python Essentials** (VIT Bhopal-Vityarathi)

Trainings: **Sep 2024 - Oct 2024**

- **BSNL LTD Data Centre (Pune & Hyderabad):** Gained hands-on experience in large-scale data management and real-time operations, understanding the infrastructure and processes behind efficient data handling.
- **Edgate Technologies Private Limited(Pune):** Acquired practical knowledge of microcontrollers and embedded systems through detailed demonstrations, enhancing skills in real-world applications of these technologies.
- **L&T Technology Services (Hyderabad):** Observed the real-time monitoring of the Hyderabad Metro system, learning about the integration of technology and infrastructure for urban transit management.
- **NRSC-ISRO - Indian Space Research Organization Centre (Hyderabad):** Engaged with India's space technology advancements, gaining insights into cutting-edge research and development in the space sector.
- **Microprocessor Workshop -SAST (Hyderabad):** Developed an automatic car using Arduino technology, integrating Arduino UNO with IR sensors and DC motors, allowing autonomous obstacle detection and avoidance.

Extracurricular Activities:

- Active member of World Wildlife Foundation (WWF) since 2019.
- **Volunteer, Blood Donation Camp - National Service Scheme (NSS)** **December 2023**
 1. Assisted in organizing and coordinating a blood donation camp with 150+ participants, ensuring smooth operations and a 95% donor satisfaction rate.
 2. Guided donors through the process, providing support and creating a welcoming environment, which helped achieve a 20% increase in repeat donors.
 3. Promoted awareness about the importance of blood donation through targeted outreach, contributing to the collection of 120+ units of blood and the overall success of the event.