VANSH MITUL SHAH

Mumbai, Maharashtra | P:+91 7021865973 | shahvanshm23.4.2004@gmail.com | **LinkedIn** | **Github**

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, VELLORE   Vellore, Tamil Nadu
Bachelor of Technology in Computer Science and Engineering   2022 - 2026
Cumulative GPA: 9.64*/10

PACE JUNIOR SCIENCE COLLEGE, DADAR   Mumbai, Maharashtra
Grade XII (HSC), Percentage: 91.5%   2020- 2022

ACTIVITY HIGH SCHOOL   Mumbai, Maharashtra
Grade X (ICSE), Percentage: 97.8%   2014 - 2020

SKILLS

Technical Skills: Python, C++, C, Java, JavaScript, AWS, MySQL, PostgreSQL, R-Language, CSS, HTML
Libraries/Frameworks: React, Next, Node, Pandas, NumPy, Matplotlib, MATLAB
Management Skills: Public Speaking, Leadership, Project Management, Communication, Planning

WORK EXPERIENCE

SAMSUNG PRISM INTERNSHIP   Vellore, Tamil Nadu
Research & Development Intern   Sept 2024 - Present
- Samsung PRISM internship project focused on generating query-centric synthesis of text-to-image conversion using diffusion models.
- Studying the use of Diffusion models over the existing GAN Models, designing and implementing algorithms that optimize data extraction from textual content, ensuring high accuracy and scalability in processing complex queries.

SALECHA METAL INDUSTRIES PVT LTD   Mumbai, India
Intern   May 2024-July 2024
- Contributed to website development as a Software Developer Intern, focusing on enhancing functionality and user experience, improving their website coverage by 25%. Additionally, spearheaded market research for the company's products and proposed viable solutions for their implementation reducing their expenditures by 10%.
- Skills used: Figma, JavaScript, React JS, Python (Pandas, NumPy, Matplotlib)

REGISTRATION & RECEPTION COMMITTEE, VIT   Vellore, India
Coordinator & Volunteer
- Riviera'24: Volunteer to the Organizing Committee of the cultural fest of VIT VELLORE, handling the seamless registrations of 200+ participants and the reception desk at 12+ events.
- GraVITas'24: Coordinator, Organizing Committee – Technical Fest, VIT Vellore: Led a team of 7+ volunteers and anchored events, ensuring smooth execution and audience engagement.

AWARDS AND CERTIFICATIONS

- Merit Scholar: Top-Ranked Student in Academic Performance at Activity High School for ICSE Std. X Board Exams and Member of Achiever's Advanced Batch at PACE Junior Science College, Dadar.
- School Representative and Leader of the School Quiz Team at Techfest'19 IIT Bombay and Bhabha Atomic Research Center (BARC), Mumbai.
- AWS Certified Cloud Practitioner (CLF CO-2 Exam): Validation Number: d664d9c33efa468493d92762df9a8200.
- Programming Certifications: Python Programming and Data Exploration,NIIT (December 2021) Object-Oriented Programming Using C++, NIIT (April 2021)
- Publication: 'Lighting Up Lives: SELCO INDIA', published at CSED-VIT Medium Website. Link

PROJECTS

PREVENTIVE ANALYSIS OF CARDIO-VASCULAR DISEASES   Feb 2024 – Apr 2024
- Utilization of machine learning models based on Logistic Regression and Decision Trees to predict the probability for the rate of cardiovascular diseases based on a range of factors - environmental, personal, and health-based for Statistical Analysis.
- Skills used – Data Pre-Processing: Python (Pandas, NumPy, Matplotlib), R - Language, Power BI, LaTeX , Frontend-Web development: React JS, HTML, CSS, JavaScript, Figma

FINANCE MANAGEMENT DASHBOARD AND BANKING WEB APP   June 2024 – July 2024
- Website application that displays and manages transactions from various accounts in one unified interface for the unobstructed execution of money transfer and maintenance.
- Skills used: Frontend-Web development: React JS, HTML, CSS, JavaScript, Figma