SHIVAM VIRESH VORA
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EDUCATION

Dwarkadas. J. Sanghvi College of Engineering, Mumbai, India August 2019 - May 2023
Bachelor of Technology in Information Technology **CGPA**: 9.43/10
Coursework: Software engineering, UI/UX, Design Thinking, Artificial Intelligence, Algorithms, Data Warehousing

PROFESSIONAL EXPERIENCE

Belden Inc, India | R&D Software Developer | June 2023-Present

- Spearheaded the research on integration of two project management tools into a single unified system, delivering enhanced project tracking efficiency and reducing costs by 80%.
- Developed and deployed a SharePoint portal and automated KPI tracking for the PMO, reducing manual reporting by 30% and improving financial visibility and resource management.
- Built a Gen AI Copilot tool to solve basic L1 tickets that increased sales process efficiency by 18% and won second place in Belden's global hackathon for it.
- Served as Scrum Master for a 12-member team, increasing sprint velocity by 15% while ensuring strong stakeholder alignment and Agile best practices.
- Engineered core frontend components in yFiles, React, and MUI for the Unified Tool UX, accelerating UI scalability and reducing development cycles by 25%.

Center for Advanced Computing Development, Mumbai, India | Web Developer | July 2020–April 2021

- Collaborated with the Ministry of Electronics & IT to develop OLABS, a virtual platform that enabled remote STEM education for 10,000+ students during COVID-19.
- Designed and launched a virtual chemistry laboratory environment within OLABS that facilitated practical learning for students in remote setups, reaching over 150 schools across India.

ACADEMIC PROJECTS AND RESEARCH PAPERS

- **NLSQL: Generating and Executing SQL Queries via Natural Language Using Large Language Models | Academic Project**
  - ❖ Developed a method to translate natural language into SQL queries using large language models.
  - ❖ Improved data accessibility for non-technical users by automating SQL generation through AI-driven language models, reducing query processing time by 50%.
  - ❖ Published at the International Conference on Advanced Computing Technologies and Applications (ICACTA), 2024.
- **Augmented Analytics: From BI to Smart Analytics | Research Paper**
  - ❖ Reviewed the evolution of Business Intelligence to AI-driven autonomous systems.
  - ❖ Explored advanced machine learning techniques transforming traditional BI into self-learning, smart systems.
  - ❖ Published in the Journal of the University of Shanghai for Science and Technology, 2023.
- **AI-Based Adaptive Assessment System for Effective Campus Placement Process Management | Academic Project**
  - ❖ Created a portal for faculty to monitor and assess students' readiness for placements by evaluating their cognitive skills, domain knowledge, and personality characteristics.
  - ❖ Enhanced the campus placement process by designing and implementing the portal that improved student employability feedback accuracy, leading to more targeted support for over 300 participating students each semester.
  - ❖ Published in AIP Conference Proceedings of Applied Data Science and Smart Systems, 2022.
- **Identification of Crime-Prone Areas Using Data Mining Algorithms | Book Chapter**
  - ❖ Utilized data mining techniques to predict crime-prone areas using temporal and geographic data for real-time crime pattern analysis.
  - ❖ Analyzed and refined crime prediction algorithms, enhancing predictive accuracy by developing a streamlined model that identified key patterns within geographic data across 20+ neighborhoods for targeted resource allocation.
  - ❖ Published as a book chapter in "Practical Data Mining Techniques and Applications," CRC Press, 2022.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, JavaScript, HTML/CSS, C, Java
- **Frameworks & Databases:** React JS, Redux, Django, MySQL
- **Tools:** Git, GitHub, Figma, Adobe XD, Heroku
- **Methodologies:** Agile, Scrum, Design Thinking

EXTRACURRICULAR ACTIVITIES

- Lead organizer for coding events and hackathons, fostering tech innovation within the community as a core team member of Google Developer Student Clubs (GDSC), DJSCE
- Mentored and Judged for Pixel Paranoia, a UI & Design-centric hackathon hosted by Dwarkadas J. Sanghvi College of Engineering, guiding over 50+ participants