

Vaishnavi Sawant

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PROFILE

Motivated and detail-oriented computer engineering student with hands-on experience in web and Android development. Proven leadership skills demonstrated through project management and team coordination in academic and internship settings. Adept at leveraging cutting-edge technologies and problem-solving strategies to create user-centric solutions. Eager to contribute technical expertise and collaborative spirit to innovative projects in a dynamic, fast-paced environment.

EDUCATION

- **Don Bosco Institute Of Technology** Mumbai, India
Bachelor of Engineering in Computer Engineering *Expected Graduation: 2027*
- **Vidyalankar Polytechnic** Mumbai, India
Diploma in Information Technology *June 2024*

EXPERIENCE

- **Nav Ecommerce** Mumbai, India
Intern *June 2023 - July 2023*
 - **Pricing Optimization:** Developed a pricing optimization plugin using JavaScript and PHP, improving operational efficiency and accuracy.
 - **Cross-functional Collaboration:** Collaborated with cross-functional teams to enhance client satisfaction through seamless platform integration.

PROJECTS

- **Smart Alumni Connect – Alumni Engagement Platform:** Full-stack web and mobile platform connecting students and alumni through mentorship, events, job postings, and donations. Built using Next.js, React Native, Node.js, MongoDB, and Socket.io with Twilio video integration and Razorpay payments. Implemented AI-based alumni discovery and real-time communication features.
- **AlgoMaster – Algorithm Visualization Platform:** Comprehensive web application for algorithm simulation and visualization across four core computer science subjects: Operating Systems, Analysis of Algorithms, Computer Networks, and Automata Theory. Built using modern web technologies and deployed on Vercel. Features interactive simulations that help students understand complex algorithmic concepts through visual demonstrations and step-by-step execution. URL: algomaster-alpha.vercel.app
- **AirSwipe – Gesture-Based Computer Control:** Final-year diploma project using Python, OpenCV, and MediaPipe. Developed a vision-based gesture recognition system enabling hands-free computer control through hand gestures. Led a cross-functional team to deliver the project on time with innovative problem-solving and precise execution.
- **DBIT College Bookstore Website:** Runner-up in mini-project competition. Built using HTML, CSS, JavaScript, and Firebase. Created a comprehensive digital platform for accessing academic resources, enhancing user experience and functionality. Implemented real-time database using Firebase for seamless updates and efficient resource management.

SKILLS & ABILITIES

- **Programming Languages:** C, C++, Java, PHP, HTML, CSS, JavaScript
- **Database & Cloud:** MySQL, Firebase, Google Cloud Platform
- **Development:** Full-stack Web Development, Android Development with Firebase Integration
- **Soft Skills:** Leadership & Teamwork, Project Management, Cross-functional Collaboration, Problem-Solving

AWARDS & ACTIVITIES

- **InnoQuest 2024:** Recognized for innovative project contributions.
- **24-Hour Hackathon – Shri Bhagubhai Mafatlal Polytechnic and College of Engineering:** Won **1st Prize** for developing a full-stack solution under time constraints, demonstrating strong problem-solving skills, teamwork, and rapid prototyping abilities.
- **Interests:** Technology meetups, problem-solving challenges, coding competitions, cloud computing innovation, community development initiatives.