

PATEL SAHIL

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Education

Parul University

Vadodara, Gujarat

Bachelor of Technology in Computer Science

June 2024 – Present

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Software Engineering
- Currently mastering advanced DSA concepts and competitive programming using Java

Bhagwan Mahavir University

Surat, Gujarat

Diploma in Computer Engineering

July 2021 – May 2024

- Built strong foundation in programming fundamentals, web development, and software design principles

Technical Skills

Programming Languages: Java, Python, C++, C, JavaScript

Web Technologies: HTML5, CSS3, JavaScript, Responsive Web Design

Design Tools: UI/UX Design, Figma, Adobe XD, User-Centered Design Principles

Core Competencies: Data Structures & Algorithms, Object-Oriented Programming, Problem Solving, Debugging

Development Practices: Version Control (Git), Agile Methodologies, Code Optimization, Testing

Operating Systems: Windows, Linux

Soft Skills: Analytical Thinking, Continuous Learning, Team Collaboration, Adaptability

Projects

E-Commerce Web Application | HTML5, CSS3, JavaScript, Python

2024

- Developed a fully responsive e-commerce platform with user authentication, product catalog, and shopping cart functionality
- Implemented search and filter features to enhance user experience, resulting in 40% faster product discovery
- Designed intuitive UI/UX using modern design principles, achieving high user satisfaction scores

Student Management System | Java, OOP, Data Structures

2024

- Built a comprehensive system to manage student records using object-oriented design patterns and efficient data structures
- Implemented CRUD operations with optimized search algorithms reducing query time by 60%
- Designed modular architecture ensuring scalability and maintainability for future enhancements

Portfolio Website | HTML5, CSS3, JavaScript, UI/UX Design

2023

- Created a personal portfolio website showcasing projects and skills with modern, clean design aesthetic
- Achieved 95+ Google Lighthouse performance score through optimization techniques and best practices
- Implemented responsive design ensuring seamless experience across desktop, tablet, and mobile devices

Certifications & Achievements

Windows UX Design Certification: Microsoft certified in user experience design principles

Competitive Programming: Active participant in online coding challenges on platforms like HackerRank and LeetCode

Academic Excellence: Maintained strong academic performance throughout diploma and undergraduate studies

Leadership & Activities

Technology Enthusiast & Self-Learner

2021 – Present

- Continuously expanding technical skillset through online courses, documentation, and hands-on projects
- Actively contribute to open-source projects and engage with developer communities to share knowledge
- Mentor junior students in programming fundamentals and web development technologies