Viraj Parmar

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PROFESSIONAL SUMMARY

Master's candidate in Computer Science (GPA: 4.0) with strong expertise in full-stack and backend development. Experienced in designing scalable SaaS platforms, optimizing database systems, and building production-ready applications using Java, Python, Node.js, and modern web technologies. Hands-on experience with AWS, Docker, Linux, and CI/CD pipelines to support reliable cloud deployment and automation. Strong foundation in RESTful APIs, database architecture, and performance optimization.

KEY SKILLS

Languages & Databases: Node.js, Python, C++, MongoDB, Redis, Advance Java

Cloud & DevOps: AWS (EC2, S3), Docker, CI/CD (GitHub Actions), Linux

Libraries & Frameworks: Express.js, React.js, Next.js

Tools: nginx, socket.io, Mixpanel, NATS, Jira, Figma, Canva, Adobe

Concepts: Data Structures, Algorithms, OOP, REST APIs, Distributed Systems, Database Design

EDUCATION

Master of Science in Computer Science (GPA: 4) **August 2025 – Present**
Rowan University Glassboro, NJ

Bachelor of Computer Engineering (B.Tech)(CGPA:9.53) **July 2021- May 2025**
Indus Institute of Technology and Engineering Ahmedabad, Gujarat

PROFESSIONAL EXPERIENCE

Full-Stack Developer Intern **August 2024 – January 2025**
Green Apex Solutions Ltd. Ahmedabad, GJ

- **It led** the development of a **POS SaaS platform**, overseeing architecture, planning, and execution to enhance restaurant operations.
- **Migrated** the database from **Realm to MongoDB**, reducing costs while improving performance and scalability.
- **Developed** a **role-based back-office dashboard**, allowing restaurant owners to manage operations with control.
- **Built** a **restaurant floor planner using CanvasJS**, providing a visual tool for designing and optimizing table layouts.
- Built an **online ordering setup** for the POS system, enabling customers to place orders digitally and streamlining order management.
- Developed a **Loan Bridging CRM** with separate panels for admin and investors, secure role-based access, and dynamic case ledger automation
- Built a **custom reporting engine** for unlimited, metric-based reports and enhanced investor visibility into investments and returns.

Front-End Developer Intern **Apr 2024 – July 2024**
Prodigy InfoTech Remote

- Developed responsive UI components using **HTML, CSS, JavaScript**, improving layout consistency and mobile usability.
- Integrated REST APIs into front-end workflows, enabling dynamic content rendering and smoother interactions.
- Reduced UI bugs by improving debugging workflows and applying clean-code practices.

- Collaborated with mentors to refine UI/UX decisions aligned with modern accessibility and design standards.

EXTRACURRICULAR ACTIVITIES/ VOLUNTEER ACTIVITIES

Member | Student Affairs Committee (SAC) | Indus University | January 2022- November 2024

PROJECTS

Nivas Sathi Hostel Finder | Full-Stack Application

- Developed a full-stack web platform enabling users to search and compare hostel accommodations using Google Maps API for location-based filtering.
- Integrated an AI-powered recommendation assistant to personalize accommodation suggestions based on user preferences.
- Implemented secure payment API integration to enable seamless booking transactions.
- Designed RESTful backend APIs to handle user authentication, search queries, and booking workflows.
- Optimized application responsiveness and front-end rendering for improved user experience across devices.

Library Management System | Advance Java

- Built a servlet-based Java web application with MySQL backend for managing books, users, and borrowing workflows.
- Applied object-oriented design principles to implement modular, maintainable system architecture.
- Designed role-based authentication for administrators and users.
- Implemented input validation and database constraints to ensure data consistency and security.

Personal Portfolio Website | HTML · CSS · JavaScript

- Designed and developed a fully responsive personal portfolio website featuring a luxury Deep Purple & Gold theme, light/dark mode toggle with local Storage persistence, animated particle canvas, scroll-reveal effects, and custom cursor — built with semantic HTML5, CSS3 (custom properties, keyframe animations), and vanilla JavaScript.

Netflix Clone

- Developed a full-stack streaming application with user authentication and session management.
- Implemented dynamic content rendering using React and REST API integration.
- Designed backend services for content retrieval and user management.
- Optimized UI performance and component reusability to improve scalability and maintainability.
- Focused on responsive design to ensure cross-device compatibility.

Student Database Management System | Full-Stack Database Project **Rowan University**

- Engineered a normalized MySQL database (13 tables, 10K+ records) with optimized indexes achieving 15x faster query performance
- Developed advanced SQL features including stored procedures with transaction control, triggers, and custom functions for academic operations
- Designed comprehensive ERD models and implemented complex relationships (1:1, 1:N, M:N) with full referential integrity
- Automated student enrollment and fee management processes using triggers and stored procedures, reducing administrative overhead

- Created real-time reporting views for GPA tracking, attendance monitoring, and financial analytics across multiple data entities

CERTIFICATION:

- **Google Cloud Certified Professional Data Engineer**
- **Front End Web Development Ultimate Guide- Udemy**
- **CSS And Javascript Crash Course- Udemy**
- **Mastering Python, Pandas, NumPy for Absolute Beginners- Udemy**
- **20XGoogle Cloud Skill Boost Badges**