Shiv Patel

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Education

Pandit Deendayal Energy University — Oct'22 – May'26 (Expected)

B. Tech in Computer Engineering — Current GPA : 9.16 / 10 — *Gandhinagar, Gujarat*

Skills

Languages: Java, Python, HTML, CSS, JavaScript, TypeScript, SQL
Databases: MongoDB, MySQL
Frameworks & Libraries: React.js, Node.js, Express.js, GraphQL, Hasura
Tools & Platforms: GitHub, Figma
Non-Technical: Communication, Leadership, Team Management

Work Experience

IntelliMedia Networks India — May'25 – Jul'25

Full-Stack Web Development Intern — *On-site*

- Collaborated in a **10-member team** to build and optimize **Superadmin and Reseller dashboards** for a live **Next.js & TypeScript** project, implementing role-based access, charts, and data filtering for insights.
- Created **15+ GraphQL APIs** with **Hasura** to enable real-time data syncing, improving responsiveness and reducing manual **refresh by 90%**, while integrating features across multiple user roles.

Projects

AI Based Expense Tracker | *React.js, Node.js, Express.js, Python, SQL* — **Feb'25**

- Built an **AI-powered** expense tracker with OCR, achieving **95% scan accuracy**, auto-categorization, and securely storing **1K+ receipts**.
- Implemented budgets with alerts, enabling **overspending reduction**, supporting **9+ categories**, and trend comparison across time periods.
- Integrated **Google Authentication** for secure sign-in (**100% authentication reliability**) and developed a chatbot using **RAG with a LangChain AI agent** for financial guidance.
- Applied an AI module to forecast **6-month expenses**, giving users insights to manage their spending.
- GitHub | Live Website | Project Demo

Car-dealership | *HTML, CSS, JavaScript, SQL* — **Jul'24**

- **Architected** a Modular car dealership platform with **9 core modules**, including manufacturing, models, pricing, and order management.
- **Enabled** multiple fuel variants (**CNG, LPG, petrol, EVs**) and **engineered** a **scalable database** to manage **1,000+ vehicles** with high **data integrity** and faster **retrieval**.
- GitHub

Operating System Simulator | *HTML, CSS, JavaScript* — **Mar'24**

- Crafted an **interactive OS simulator** implementing **4 core algorithms** – **FIFO page replacement**, **LOOK / C-LOOK disk scheduling**, **Shortest Job First (SJF)**, and **Dining Philosopher problem**.
- Simulated up to **50-page faults** using FIFO page replacement for memory management.
- Designed a **visual, web-based interface** to simulate CPU scheduling and memory management, making complex OS concepts easier to understand.
- GitHub | Live Website | Project Demo

Achievements

- Website Maintenance & Technical Support – 2nd **IEEE International Conference** on Artificial Intelligence and Machine Vision (AIMV) 2025, PDEU
- **ODDO Hackathon'24**: Built secure exam paper distribution system with authentication, access control, and watermarking, reducing unauthorized sharing by 50% **(GitHub)**
- **Hackout'23**: Hospital Data Management System for 200+ patients at **DA-IICT Hackathon**, earned recognition for innovation and teamwork.
- LeetCode: **Profile Link** – **Solved 200+** problems

Leadership

- Led Social Media and PR at SOM, PDEU, managing publicity for 1,000+ members across platforms.
- Executed 10+ campaigns, including event promotions and social media engagement.