

SHIVEN PATEL

DOB – 19th June 2003 | Gujarat, India - 388450

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EDUCATION

A D Patel Institute Of Technology (Charutar Vidyamandal University)		The Western English Medium School (GSHSEB)	
B.E. Computer Engineering	2021 – 2025 CGPA – 9.57	Higher Secondary Education	2021 PR – 86.58 (A2)
Minor Degree in Internet of Thing	2022 – 2024 CGPA – 8.87	Secondary Education	2019 PR – 96.80 (A2)

INTERNSHIP AND PROJECTS

Mastek – Associate Technical Consultant Intern [Jan 2025 – Mar 2025]

- Developed backend for a Leave Management System using Servlets, JSP, POJO (Service, DAO, Models), & Hibernate, implementing an MVC architecture, alongside email alerts for approvals and new leave requests. Integrated a chatbot using REST API, built with LangChain SQL Agent, and the Llama 3.3 70b Specdec model, to assist managers in making faster decisions on workforce planning.

Infosys Springboard – Artificial Intelligence Intern [Oct 2024 – Dec 2024]

- I worked on object tracking in a surveillance system, utilizing computer vision and image processing techniques with OpenCV and YOLO to enable accurate real-time identification and monitoring of vehicles in high-traffic areas for vehicle detection and tracking.

Tatvasoft – Web Development Project Intern [May 2024 – Jun 2024]

- Developed backend for a Virtual Community Support platform using .NET & PostgreSQL, implementing secure user authentication role-based authorization, and RESTful APIs that enabled integration between frontend Angular components and backend services.

Invoice Extractor API – Extract relevant information from invoices [link](#) [Dec 2024 – Dec 2024]

- Extracts information from JPEG and PDF invoices using a Flask-based REST API powered by the Gemini-1.5-Flash Vision model, returning results in JSON format. Users can retrieve the full invoice or specific details based on a custom JSON output format.

HistoriAI – AI Chatbot Guide for India's Heritage [link](#) [Sep 2024 – Jan 2025]

- Developed a RAG-based application with an Agentic Workflow and a dynamically expanding knowledge base, connected to the backend via a REST API. Integrated Text-to-Speech & Speech-to-Text for multi-language accessibility in English, Hindi, and Gujarati.
- FRONT-END: HTML, CSS, Angular, TypeScript | BACK-END: ChromaDB, Llama3, Groq Cloud, Huggingface, Flask, Tavily, LangGraph

Vahan – AI driven Autonomous Vehicle System [Jul 2024 – Present]

- Developing an AI-driven algorithm and system for safe navigation, which performs lane prediction and adjusts the vehicle's trajectory based on obstacles and lane conditions (marked or unmarked), using image processing and real-time object detection.
- TECHNOLOGIES: Python, OpenCV, Sklearn, YOLO, Meta SAM2 | HARDWARE: NVIDIA Jetson

NexGuard – RFID Lock System with Intrusion Alert (IoT) [link](#) [Jan 2024 – Apr 2024]

- The solenoid lock system with RFID access, email notification, and alarms for intrusion and unauthorized access, controlled using ESP8266 microcontroller. Designed to safeguard door access and protect valuable assets such as jewelry, cash money, documents.

Miniz Kingdom – Learning and Entertainment Platform for Children aged 2 to 6 [link](#) [Feb 2024 – Apr 2024]

- Helps children with medical conditions learn alphabets, numbers, and engage in gesture-based activities and games. Utilizes a ML model built with PoseNet and ML5 Neural Network, trained on a self-created dataset, providing visual and auditory feedback.

SKILLS

Programming Languages: Python, Java, JavaScript, Oracle SQL, HTML, CSS | **Web Technologies:** Servlets, JSP, Flask, Django

Frameworks/Libraries: NumPy, Pandas, Matplotlib, Seaborn, SkLearn, TensorFlow, Keras, OpenCV, LangChain, LangGraph, Hibernate

PROFESSIONAL CERTIFICATIONS AND ACHIEVEMENTS

- Practical Machine Learning Using Python – Tutorialspoint | Machine Learning with Python, Data Analysis with Python – IBM
- Introduction to Structured Query Language (SQL) – University of Michigan | Oracle Database: Basic SQL, PL/SQL – LinkedIn
- Certificates:** <https://www.linkedin.com/in/shivenpatel1963/details/certifications> (including other certifications)
- Played at the National Level in Hupkwando School Games (Bhopal - 2018) and Karate All India University (Chhattisgarh - 2023).

EXTRA CURRICULAR ACTIVITIES

Code in Place – Stanford University, USA [link](#) [April 2024 – June 2024]

- With an Experienced Student Badge, I completed a seven-week online Python Program based on CS106A's material.

Best Business Idea 2023 (Funding Granted) | Idea: Cubio – A Cube-Like Interactive Toy

- Helps children under age 6 years to learn poems, alphabets, basics of any language. For children under age 16 years to learn basics of coding, mathematics. Those above 16 years will gain basic knowledge about IoT devices and implementation skills.