

Shivam Patel

Software Developer

B. Tech | Information and Communication Technology

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Summary

I am a B. Tech graduate specializing in Information and Communication Technology with expertise in software development, data science, and hands-on experience in various projects and internships. My goal is to innovate and optimize technology solutions, contributing effectively to team projects and real-world applications.

Experience

Software Developer Intern – OPAL Infotech | Ahmedabad | Jan 2025 – Present

- Built responsive UI components and dashboard features using **React Native** for business apps.
- Worked on the **Carysil eCommerce shop**, contributing to layout updates, product flows.
- Integrated Supabase for real-time auth, CRUD operations, and developed modules like PDF export.

Data Science Intern – BRAINYBEAM | Summer Internship | Jul 2024 – Sep 2024

- Developed real-time data pipelines and implemented classification models using Python and ML libraries.
- Improved model accuracy and built interactive dashboards to visualize key data insights.
- Worked on a **bank marketing predictive campaign**, applying machine learning to forecast customer response and optimize marketing strategy.

Education

B.Tech in Information and Communication Technology – 2021-2025

Pandit Deendayal Energy University, Gujarat, CGPA: 8.6

Secondary and Higher Secondary Education – 2019-2021

Maharshi Gurukul - Percentage: 85%

Projects

Mandi Mitra – APMC Business Management App

React Native, Supabase, Expo, PDFKit, WhatsApp API

- Built a mobile app for APMC traders to manage purchases, sales, farmer ledgers, and daily cashbook.
- Integrated Supabase for authentication and real-time CRUD operations with dashboards for daily profit/loss.
- Implemented invoice PDF export and WhatsApp sharing features using custom HTML templates.

ARV Tune – Voice-Controlled Music Player

React.js, JavaScript, Web Speech API

- Built a music streaming web app with playlist creation and voice commands for audio control.
- Integrated the Web Speech API for play, pause, next, and volume functions using natural language input.
- Focused on a clean, accessible UI with modular React components and client-side routing.

Bank Marketing Campaign Analysis

Python, Pandas, Scikit-learn, Matplotlib

- Built machine learning models to predict customer response to marketing campaigns using algorithms.
- Conducted feature engineering, EDA, and model evaluation (Logistic Regression, Random Forest, Decision Tree).
- Achieved 85% accuracy and derived actionable insights to optimize campaign strategy.

GNSS-DAS Hybrid Localization System

CNN-LSTM, ResNet1D, Kalman Filter, Python

- Designed hybrid deep learning models to enhance GNSS accuracy using CNN-LSTM and ResNet1D architectures.
- Fused DAS and GNSS signals with Kalman filtering, achieving ~4m accuracy with real-time latency.
- Focused on sensor fusion and robust tracking for navigation applications.

Skills

Languages: JavaScript, C++, Python, HTML, CSS

Frontend: React.js, React Native, Tailwind CSS, Redux, Expo

Backend: Node.js, Express.js, REST APIs

Databases: MySQL (AWS RDS), Supabase, Firebase, MongoDB

Cloud & Tools: AWS, Docker, Git, GitHub, VS Code, Postman, Figma, Android Studio

Certification

Full Stack Web Development – Codedamn | Apr 2024

Privacy and Security in Online Social Media (NPTEL) – IIT Kharagpur | Jan – Apr 2024

AWS Data Analytics Fundamentals – Amazon Web Services | Jan 2024

Smart India Hackathon 2023 – Finalist | Jun 2023

TATA Building India Essay Competition – National Level | 2015–16