Prince Malani

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Education

LDRP Institute of Technology and Research Gandhinagar, Gujarat
Bachelor of Engineering in Information and Technology — 8.89 CGPA *June 2020 – April 2024*

Sarth Vidhyalaya Ahmedabad, Gujarat
Higher Secondary (HSC - NCERT) — 78 PR(65%) *2018 – 2020*

Technical Skills

Languages: Kotlin, Python, C++, JavaScript, Dart
Frameworks: Django, Node.js, Flask, Jetpack-Compose, Material-UI
Developer Tools:Android Studio, GitHub/Git, Docker, VS Code, Visual Studio, App Store, Play Store
Database: MySql, MongoDB, SqLite, Firebase

Experience

LLM Engineer & Backend Designer January 2026 - Present
Career Jyoti (1M1B) — Bangalore, Karnataka

- Designed an LLM-driven conversational system to deliver personalized career guidance, structuring domain-specific knowledge handling to support diverse user queries across students and professionals.
- Architected backend workflows to manage query processing, response generation, and scalable request handling, ensuring consistent performance and reliable interaction across dynamic user sessions.

Backend Developer March 2026 - April 2026
Digital Nagrik (Karnataka Government Portal) (1M1B) — Bangalore, Karnataka

- Engineered backend data handling for analytical dashboards by structuring optimized **data retrieval and tabular rendering** workflows, ensuring accurate and efficient presentation of large-scale **government datasets**.
- Deployed and maintained web services on **Hostinger**, overseeing server configuration, live updates, and system reliability to support **uninterrupted access to dashboard** functionalities.

Backend Developer November 2025 - February 2026
Unleash LLM Hackathon Website (1M1B) — Bangalore, Karnataka

- Architected user onboarding workflows by implementing structured registration handling with automated email triggers, ensuring reliable data capture and seamless user communication across the platform.
- Deployed and governed backend services on **AWS**, orchestrating request-level monitoring and designing efficient pipelines for video upload processing to maintain system responsiveness and operational stability.

Product Lead & Backend Developer October 2025 - November 2025
Sprouts management (1M1B) — Bangalore, Karnataka

- Architected user onboarding workflows by implementing structured registration handling with automated email triggers, ensuring reliable data capture and seamless user communication across the platform.
- Deployed and governed backend services on **AWS**, orchestrating request-level monitoring and designing efficient pipelines for video upload processing to maintain system responsiveness and operational stability.

Backend Developer October 2025 - January 2026
A1 E-commerce Platform — Ahmedabad, Gujarat

- Implemented secure payment processing using **Razorpay**, enabling multi-method transactions with reliable handling of payment states and ensuring consistent checkout performance.
- Deployed and maintained web and backend services on **Hostinger**, managing server configuration, live updates, and system availability to support uninterrupted e-commerce operations.

Mobile Product & Product Lead March 2025 - Present
E World Education — Ahmedabad, Gujarat

- Engineered a modular Android system using **Kotlin**,, Single-Activity architecture, MVVM, and **Hilt**, while restructuring Gradle configurations and consolidating 5+ feature modules to enhance scalability and execution efficiency.
- Orchestrated end-to-end product flow across mobile and admin layers, while independently governing production lifecycle on **Hostinger** and Google Play Console—handling releases, version control, and live monitoring for **1500+ active users**.

Product Manager & Android Developer January 2025 - Present

Aaradhya Design Gallery (Group of Embroidery) — Ahmedabad, Gujarat

- Directed product execution by crafting end-to-end user flows in **Figma** and structuring the Android application using **MVVM with XML**, delivering a production-grade solution across 10+ interconnected modules including catalog, cart, and order lifecycle.
- Implemented secure transaction processing via **Razorpay**, optimizing multi-method payment handling and ensuring stable checkout performance with reduced transaction failures and consistent user experience.

Jr. Software Developer April 2024 - Present

WebCodeGenie Technology Pvt. Ltd. — Ahmedabad, Gujarat

- Streamlined release pipelines for dual Android applications by structuring **CI/CD workflows**, while engineering feature-rich interfaces using **Kotlin**,, and embedding real time calling capabilities through optimized communication protocols—enhancing delivery consistency, execution reliability, and in-app interaction performance.
- Delivered core system capabilities including a real-time messaging engine and driver tracking module—leveraging **background/foreground services** for 80% improved tracking precision—and enabled secure transaction handling via **Square Payment SDK**.

LLM Engineer January 2024 - July 2024

Medibot — Ahmedabad, Gujarat

- Designed an LLM-powered clinical assistant to interpret hospital datasets and generate structured, context-aware responses for patient and staff queries.
- Engineered prompt orchestration and response pipelines to enhance answer precision, ensuring consistent formatting, domain relevance, and reliable information retrieval from medical data sources.

Machine Learning Intern July 2023 - September 2023

Applie Infosole — Gandhinagar, Gujarat

- Engineered a gesture and posture recognition model for an IoT-based system, attaining **90–92% accuracy** with optimized inference latency of **300–400 ms** through precise model tuning and performance-focused design.
- Automated model lifecycle operations using **Python**-driven pipelines with scheduled execution via cron, incorporating parameter calibration and synthetic data strategies to sustain performance stability and computational efficiency.

Projects

ANPR-FR | ***Android, Flask, CV, OCR, Mongo*** September 2023 - October 2023

KAVACH 2023 National Hackathon (Finalist) — Panvel, Maharashtra

- Engineered a mobile-based ANPR and facial recognition system capable of identifying standard and non-standard license plates, combined with driver authentication under real-world constraints including occlusion.
- Trained a **YOLO-based detection model** on **14K images** achieving **97% accuracy**, and structured backend pipelines using **Flask** and **MongoDB** for efficient data capture, storage, and retrieval.

Dropout Analysis | ***Flask, ML, React, CronJob*** Oct 2022 - Nov 2022

Azadi Ka Amrit Mahotsav State Hackathon 2022 (Winner) — Gandhinagar, Gujarat

- Built an administrative analytics platform to evaluate district-wise student dropout patterns across Gujarat, enabling structured data visualization and actionable insights for educational authorities.
- Implemented a regression-based predictive model achieving **98% accuracy**, and designed categorized trend analysis across **5 segments** to support informed decision-making and future risk assessment.

Publications

Research Author January 2024 – October 2025

Optimizing Real-Time Attendance System using Face Detection and Recognition for Classroom Using Attention Mechanisms

- Architected a real-time facial recognition pipeline for institutional attendance tracking, leveraging **YOLO-based detection** and **one-shot learning** to enable accurate identification with minimal training data.
- Trained on the **EduFace-Recognition dataset**, achieving **98.54% accuracy**, and structured a modular framework to support continuous dataset expansion and seamless onboarding of new classroom environments.

IEEE-I2CT Pune, Maharashtra

IEEE 2024 9th International Conference for Convergence in Technology (I2CT) *January 2024*

- Presented a research paper at the **IEEE I2CT 2024** conference, demonstrating applied machine learning techniques for advanced student dropout analysis.
- Publication accepted in the **SCOPUS-indexed IEEE Xplore** digital library, highlighting a data-driven framework for comprehensive educational trend evaluation.