

KULDIP SATPUTE

Full Stack Developer & Proud Geek

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SUMMARY

Innovative Full Stack Developer specializing in AI/ML systems, DevOps automation, and IoT solutions with proven track record of delivering impactful applications. Extensive experience developing robust, scalable solutions focused on efficiency and performance. Passionate technologist maintaining advanced homelab for experimenting with cutting-edge tools including containerization, monitoring, automation and infrastructure solutions to continuously evolve technical expertise.

PROFESSIONAL EXPERIENCE

Head of Technical Department

ZebraLearn Pvt Ltd, Surat, Gujarat

📅 Jan 2022 – Present

- Leading the technical team and overseeing all development projects.
- Developing AI and ML Based Financial Industry Analysis, Research and Workstation.
- Implementing advanced data visualization techniques.
- Optimizing application performance and scalability.
- Collaborating with stakeholders to define project requirements.

Senior Technical Officer

Cupid Knot Matrimonial Services, Surat, Gujarat

📅 Sept 2020 – Jan 2022

- Maximized existing applications' efficiency, data quality, scope, operability, and flexibility.
- Managed, optimized, and updated framework and databases as necessary.
- Progressed from Laravel Developer to Senior Technical Officer.

Senior Software Engineer

Cupid Knot Matrimonial Services, Surat, Gujarat

📅 Jan 2021 – May 2021

Laravel Developer

Cupid Knot Matrimonial Services, Surat, Gujarat

📅 Sept 2020 – Dec 2020

Full Stack Developer

Freelancing, Maharashtra

📅 Nov 2018 – Dec 2020

- Developed native Android applications with REST APIs using Laravel framework.
- Designed and managed clean, well-structured databases with normalization up to 3NF.
- Defined and implemented robust app architectures and complex user interfaces.

SKILLS & EXPERTISE

Programming Languages

PHP JavaScript Java Python
Node.JS

DevOps

Ansible Terraform Jenkins Docker
AWS CodeBuild Bitbucket CICD
Gitlab CICD

Backend Development

Laravel Node.js Express Django
Spring Boot

Database Management

MySQL MongoDB PostgreSQL Oracle
SQLite Firebase Redis

AI & Machine Learning

Scikit-Learn NumPy Pandas TensorFlow

IoT, Robotics & 3D Printing

Raspberry Pi Arduino NodeMCU
3D Modeling RFID MQ3 MQ135
Ultrasonic LDR Soil Moisture Sensor
Sound Detection Motion Sensor
Accelerometer DHT11 Humidity Sensor

Mobile Development

Android Native Flutter

Soft Skills

Collaboration Cooperation Friendliness
Curiosity Calmness Analysis
Problem-Solving Observation Experimenting

Strengths

Hard-working (18/24) Persuasive
Motivator & Leader Logical Reasoning
Quick Learner

INTERESTS

Hacking Artificial Intelligence
ML and Deep Learning
Homelab Drawing Photography
Cooking

PROJECTS

AI-Based Financial Industry Analysis Platform

ZebraLearn Pvt Ltd

- Led the development of an advanced financial analysis platform leveraging AI and ML for market insights, trend analysis, and predictive modeling for financial institutions.
- **Technologies:** Python, TensorFlow, React, Node.js, MongoDB, Docker

DevOps Automation Pipeline

ZebraLearn Pvt Ltd

- Designed and implemented a comprehensive CI/CD pipeline with infrastructure as code, automated testing, and deployment for streamlined software delivery.
- **Technologies:** Jenkins, Ansible, Terraform, Docker, Kubernetes, AWS

Zebralearn Content Studio

ZebraLearn Pvt Ltd

- SaaS product for efficient management and development of books.
- **Technologies:** NextJS, Laravel, MySQL, Redis, Docker, Kafka

ZebraPro Research Platform

ZebraLearn Pvt Ltd

- Financial data research platform for financial analysts.
- **Technologies:** Python, React, Node.js, MongoDB, Docker

ZebraPro Workstation

ZebraLearn Pvt Ltd

- Collaborative platform for industry and company research data and reports.
- **Technologies:** React, Node.js, MongoDB, Docker

ZebraLearn Ecommerce

ZebraLearn Pvt Ltd

- Developed an e-commerce platform for ZebraLearn.
- **Technologies:** Laravel, MySQL, Redis, Docker, Kafka

ZebraLearn Book Reader

ZebraLearn Pvt Ltd

- Developed a book reader application similar to Kindle for ZebraLearn.
- **Technologies:** NodeJS, MongoDB, Redis, Docker, Kafka

Matrimonial Service Platform

Cupid Knot Matrimonial Services

- Developed and optimized a comprehensive matrimonial service platform with advanced matching algorithms, secure user verification, and real-time communication features.
- **Technologies:** Laravel, MySQL, React, Redis, AWS, Firebase

Control Panel for Cupid Knot Matrimonial Services

Cupid Knot Matrimonial Services

- Web-based administrative tool for managing the match-making app.
- **Technologies:** Laravel, MySQL, React, Redis, AWS, Firebase

Waste Collection Management System

Mangalvedha Municipal Council

- End-to-end waste collection and transportation monitoring system with real-time tracking, route optimization, and analytics dashboard for municipal authorities.

EDUCATION

B.E. in Computer Science

Ahilyadevi Holkar University, FABTECH Technical Campus Sangola, Solapur

📅 May 2015 – April 2019

- Specialized in Web and Mobile Technologies, participated in technical competitions and workshops, completed projects in web and mobile application development.

Diploma in Mechanical Engineering

M.S.B.T.E., S.E.S. Polytechnic Solapur

📅 June 2010 – April 2014

- Developed foundation in engineering principles, transitioned to computer science for further studies, gained practical experience through laboratory work.

S.S.C.

MSBSHSE, Pune Division, DBKSS Vidyalaya Medshingi Sangola, Solapur

📅 March 2010

LANGUAGES

English (Fluent)

Marathi (Fluent)

Hindi (Fluent)

WORKSHOPS

IoT Workshop

OS3 InfoTech, Fabtech Technical Campus

📅 January 27 – February 1, 2017

- Comprehensive training on Internet of Things technologies and applications.

Android Application Development

IIT Bombay, Fabtech Technical Campus

📅 September 2 – 3, 2016

- Intensive workshop on Android app development fundamentals and best practices.

Municipal Complaint Management System

Jalna Municipal Council

- Citizen-centric mobile application for registering and tracking municipal complaints with automated routing, status updates, and service quality feedback mechanisms.
- **Technologies:** Android, Laravel, REST API, Firebase, Google Maps, Push Notifications

RFID-Based Waste Collection Monitoring

Uran Municipal Council

- IoT solution using RFID technology to track waste collection vehicles, monitor collection points, and generate compliance reports for municipal waste management.
- **Technologies:** RFID, IoT, Arduino, Laravel, Android, Real-time Dashboard

Bus Logs And Transport Management

NMMT Municipal Council

- System for managing bus logs and transportation operations.
- **Technologies:** Laravel, MySQL, Redis, React

Employees Attendance Digitisation and Leave Balance Reports

NMMT Municipal Council

- Digital system for employee attendance tracking and leave balance reporting.
- **Technologies:** Laravel, MySQL, Redis, React

Chatbot with RAG for citizens

NMMT Municipal Council

- Built a chatbot utilizing Retrieval-Augmented Generation (RAG) to assist citizens with queries.
- **Technologies:** Python, NLP, RAG models, API Integration

Document Digitisation

NMMT Municipal Council

- Led efforts for digitizing municipal documents.
- **Technologies:** Document Scanning APIs, Cloud Storage, OCR

College Social Networking Platform

Personal Project

- Social networking platform for college students and faculty to connect, share resources, and collaborate on academic projects.
- Real-time messaging, academic resource sharing, event management, forums, and student-teacher communication portal.
- **Technologies:** Laravel, Native Android, REST API, Firebase, WebSockets, Push Notifications

Retail Management System (Shop Management And Billing)

Personal Project

- Android application for small retail businesses to manage inventory, process sales, generate invoices, and track business analytics.
- Inventory management, point of sale, customer management, sales analytics, offline functionality with cloud sync.
- **Technologies:** Native Android, SQLite, Material Design, Bluetooth Printer Integration, Barcode Scanner

ACHIEVEMENTS



Best Performance Award

By OS3 InfoTech in IoT Training.

Secured 1st Position

Java Programming Event, S.K.N Sinhgad Campus, Pandharpur, Maharashtra

📅 February 2017

- Won first place in a state level technical Java programming competition.

Secured 3rd Position

Android Application Development, RoboKart.com & E-Cell IIT Bombay, Sangola, Maharashtra

📅 September 2016

- Secured third position in Android app development competition.