

Harsh Mistry

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SUMMARY

Python Developer with 3 years of experience building scalable backend systems, RESTful APIs, and automation pipelines using Django, Flask, and FastAPI. Skilled in web scraping (Selenium, Scrapy, Playwright), ETL and data pipeline design, database architecture (MySQL, MongoDB, TiDB, SQLite), and cloud deployment (AWS Lambda, EC2). Experienced in integrating LLMs and AI-powered automation into production workflows, including voice AI calling agents and conversational analytics tools. Proven track record delivering solutions for national and international clients across the full software development lifecycle, from requirement analysis to deployment.

EDUCATION

- Vidush Somany Institute Of Technology And Research** Gandhinagar, Gujarat
Bachelor of Engineering in Information Technology (7.75 CGPA First Class with Distinction) July 2021 – July 2025
- M.B Patel Secondary & Higher Secondary School** Gandhinagar, Gujarat
Class 12th – 66.15% Completed May 2021

SKILLS SUMMARY

- Languages:** Python, JavaScript, TypeScript, SQL, Excel VBA, Mongosh, ADB Shell
- Frameworks:** Django, Flask, FastAPI, Node.js, Express.js, Vue.js, React, Redux Toolkit, Appium
- Cloud & Tools:** AWS EC2, AWS Lambda, Boto3, GCP, Odoo ERP, Twilio, GitHub, CronJob, Linux
- Databases:** MySQL, TiDB, SQLite3, MongoDB Compass, MongoDB Atlas
- Web Scraping:** Selenium, BeautifulSoup, Scrapy, LXML, http.client, Playwright
- AI & Voice:** LLM Integration, Whisper, Groq, ElevenLabs, Cartesia
- Cross Platforms:** PyQt5, Kivy, PyAutoGui, Tkinter
- Soft Skills:** Leadership, Team Management, Communication, Public Speaking, Research ‘n’ Analysis

EXPERIENCE

- Logieagle Pvt. Ltd. (Full-Time)** On-Site
Python Developer Oct 2025 – Present
 - Developed and maintained scalable web applications using Django and Node.js, delivering RESTful APIs and full-stack solutions aligned with client specifications.
 - Designed and implemented ETL pipelines to automate data extraction, transformation, and loading processes, improving data accuracy and reducing manual intervention.
 - Customized and extended Odoo ERP modules to meet diverse client requirements, integrating third-party services and configuring workflows for business process automation.
 - Architected and deployed AI pipelines leveraging LLMs and automation frameworks to streamline repetitive tasks, improving team operational efficiency.
 - Collaborated with national and international clients to gather requirements, deliver tailored software solutions, and ensure timely project completion within defined scopes.
 - Participated in end-to-end software development lifecycle (SDLC), including requirement analysis, system design, development, testing, and production deployment.
- AutoDX Technologies (Full-Time)** On-Site
Junior Python Developer Apr 2025 – Sept 2025
 - Developed and optimized backend services using Flask, building robust RESTful APIs to handle core application logic.
 - Bridged backend APIs and frontend templates by embedding Vue.js reactivity to streamline client-server state synchronization.
 - Designed high-efficiency database architectures structured for enterprise-scale workloads, focusing on normalization, query optimization, and latency reduction.
 - Collaborated with product, design, and QA teams to iteratively conceptualize, test, and ship high-priority features under tight deadlines.
- Rayvat Outsourcing (Full-Time)** On-Site
Junior Python Developer Aug 2023 – Mar 2025
 - Developed and maintained web applications using Django and Flask.
 - Implemented RESTful APIs to enable communication between front-end and back-end services.
 - Collaborated with cross-functional teams to define, design, and ship new features.
 - Participated in code reviews and contributed to improving team coding standards.
 - Generated automated and human-like content updates.
 - Automated GUI testing for desktop applications using Selenium, PyAutoGUI, etc., and mobile applications using Appium.
 - Trained new freshers and interns.
 - Debugged code effectively to ensure smooth operation of applications.
- Oasis Infobyte (Internship)** Remote
Junior Data Scientist

PROJECTS

5.1 Professional Projects

- **AI-Powered Calling Agent & Hyperlocal Analytics Platform**

Technologies: Whisper, Groq, ElevenLabs, Cartesia, TiDB, Twilio, React, Node.js, Express.js, TypeScript, AWS

- Developed a low-latency inbound and outbound voice AI calling agent integrating Twilio APIs with LLMs and Text-to-Speech (TTS) providers (Cartesia, ElevenLabs), automating over 85% of customer inquiries and support tickets.
- Designed a dynamic, region-wise Twilio phone number provisioning and routing system (exophones) to support localized call orchestration for hyperlocal retail outlets, reducing customer call abandonment by 40%.
- Built a multi-tenant SaaS workflow builder using React 19, Redux Toolkit, and @xyflow/react canvas, allowing drag-and-drop orchestration of custom call trees, intent triggers, and agent prompts.
- Architected an automated ETL pipeline that extracts call record logs and transcript analytics from MySQL/TiDB, transforms them into structured data sheets using streaming writers, and loads them securely via FTP to enterprise CRMs, achieving 99.9% sync accuracy.
- Implemented real-time post-call automation triggers utilizing SMS gateways to send instant follow-ups based on call outcomes, accelerating customer response times by 75%.

- **B2B Scraping & Analytics Tool - Discord Bot**

Technologies: AWS Lambda, GCP, Requests, discord.py, MySQL, concurrent, openpyxl

- Architected a persistent Discord interface using slash and prefix commands, enabling users to seamlessly upload input sheets, verify matched products, and export results.
- Deployed the scraping engine on AWS Lambda using asynchronous Boto3 event-driven triggers, enabling serverless scalability and parallel execution.
- Developed a concurrent API scraper with exponential backoff retries and error handling to reliably extract product prices under rate limits and Cloudflare protection.
- Programmed a synchronization pipeline using the Google Drive API to load and save SQLite caches, eliminating the cost of running an active database server.
- Structured a robust database schema using SQLite/MySQL to cache product detail mappings, reducing subsequent lookup API queries by over 80%.

- **Real-time File Synchronization Tool**

Technologies: Paramiko, Watchdog, Sockets

- Developed an automated file sync system using Python's Paramiko and Watchdog libraries
- Implemented FTP-based file transfer protocol for cross-device synchronization
- Built real-time monitoring system for instant file updates across connected devices

- **Stock Market Analysis and Paper Trading Software**

Technologies: Selenium, Appium, Kivy, FastAPI, Dask, ML

- Automated the process of buying and selling stocks to optimize trading strategies.
- Developed a paper trading platform to simulate trading activities and test strategies without financial risk.
- Integrated various APIs to fetch real-time stock data and execute trades programmatically.
- Utilized Selenium and Appium for automated browser and mobile app interactions, and Kivy for a user-friendly interface.
- URL: stocks.rayvat.com

ADDITIONAL ACTIVITIES

- **Hackathons**

On-Site

Team Leader / Team Member

- **Smart India Hackathon 2021:** Led a team to develop innovative solutions to real-world problems.
- **Hack SVIT 2021:** Contributed as a team member to create impactful projects.
- **Technotsav 2022:** Participated in and developed solutions for various challenges.
- **Azaadi Ka Amrit Mahotsav Hackathon State Level:** Developed state-level solutions for pressing issues.
- **KAVACH 2023 Cybersecurity Hackathon:** Created cybersecurity solutions to protect digital infrastructure.
- **Smart India Hackathon 2023:** Led a team to develop solutions addressing national issues.

HONORS AND AWARDS

- Grand Finalist at Azaadi Ka Amrit Mahotsav Hackathon (State Level) - February 2023

VOLUNTEER EXPERIENCE

- **Core Team Member of Pixelverse Community**
Contributing for Social Media Influencer & Graphics Creation in Figma, Canva
Ahmedabad, India
January 2026 – Present
- **Volunteer at Google Developers Group Gandhinagar**
Contributing for Social Media Influencer, Videography & Graphics in Figma, Canva
Gandhinagar, India
December 2025 – Present
- **Volunteer at OpenSource Weekend**
Contributing for Social Media Influencer, Videography & Graphics in Figma, Canva
Gandhinagar, India
November 2025 – Present
- **Volunteer at Kubernetes Community Day Gujarat**
Contributing for Social Media Team, Videography & Graphics in Figma, Canva
Ahmedabad, India
May 2026 – Present
- **Volunteer at Cloud Native Computing Foundation**
Contributing for Social Media Team, Videography & Graphics in Figma, Canva
Ahmedabad, India
May 2026 – Present
- **Volunteer at Barkville Foundation**
Contributing for Social Media Team, Photography & Animal Welfare
Gandhinagar, India
February 2026 – Present
- **HASOC (Hate Speech and Offensive Content Identification)**
Contributor
 - Participated in the HASOC initiative to verify and classify Twitter tweets as hate speech or not.
 - Utilized natural language processing techniques to analyze and label tweets, contributing to a safer online environment.