ASHISH THIPKURLE

Full Stack Developer | AI & Web Application Engineer

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LinkedIn: linkedin.com/in/ashishthipkurle | GitHub: github.com/ashishthipkurle | Portfolio

PROFESSIONAL SUMMARY

Versatile Full Stack Developer with hands-on experience building and deploying scalable web and mobile applications using Next.js, React.js, TypeScript, Node.js, and Flutter. Proficient in integrating AI/ML features, generative AI solutions, and designing intuitive user interfaces. Experienced with PostgreSQL, Firebase, Supabase, and cloud-native deployments. Demonstrated ability to lead engineering teams, manage projects ahead of schedule, and deliver client-facing digital products across fintech, trade, and enterprise domains. Strong foundation in Python, machine learning frameworks, and autonomous AI agent systems.

CORE COMPETENCIES

Next.js | React.js | TypeScript | Node.js | Flutter | Kotlin | Python | FastAPI | LangChain | PostgreSQL | Supabase | Firebase | MongoDB | Redis | REST APIs | GraphQL | Razorpay | Socket.io | GSAP | Shopify | AI Agents | LLMs | Machine Learning | TensorFlow | Keras | YOLOv8 | OpenCV | NumPy | Pandas | Jetpack Compose | Android Development | CI/CD | Git | UI/UX Design | Agile | Team Leadership

PROFESSIONAL EXPERIENCE

Self-Employed — Remote Sep 2025 – Apr 2025

- Developed full-stack web applications using Next.js, React.js, and TypeScript for diverse business clients.
- Built backend systems with Node.js and PostgreSQL (Supabase/NHost integrations) supporting complex data workflows.
- Designed and deployed Shopify e-commerce storefronts tailored to client brand requirements.
- Architected and delivered custom AI Agent systems for business process automation using LLMs and LangChain.
- Managed end-to-end project delivery including requirements gathering, development, testing, and client handover.

Meta Globals — Chandgad, Maharashtra Sep 2025 – Apr 2025

Full Stack Engineer

- Contributed to frontend feature development using Next.js and TypeScript in a collaborative engineering environment.
- Assisted in building AI-powered browser extensions integrating generative AI capabilities for end users.
- Participated in code reviews and technical discussions, improving overall code quality and team productivity.
- Applied AI/ML frameworks (LangChain, OpenAI APIs) to real-world product features, accelerating delivery timelines.

Technospot Infotech LLP — Sangli, Maharashtra Jun 2024

Web Developer (Internship)

- Designed and developed a responsive, SEO-optimized website using HTML, CSS, JavaScript, and React.js.
- Collaborated with the development team on client requirements, version control (Git), and real-world deployment.
- Gained practical experience in production-grade web deployment and collaborative development workflows.

KEY PROJECTS

Ranote Exim — Enterprise Import-Export Trade Platform | ranoteexim.com

Tech: React.js, Next.js, TypeScript, GSAP, PostgreSQL (Supabase), Razorpay, Socket.io

- Built a premium enterprise-grade import-export platform with role-based access control for Importers and Exporters.
- Implemented real-time shipment tracking via Socket.io, comprehensive order management, and secure Razorpay payment flows.
- Delivered high-performance UI/UX with GSAP animations, mobile-responsive design, and detailed analytics dashboards.

Neural Humanoid Agentic AI — Cross-Platform AI Agent System

Tech: Python, FastAPI, LangChain, Kotlin, Jetpack Compose, YOLOv8, Piper TTS, Telegram, Twilio, SQLite

- Architected a full-stack AI agent system spanning a Python PC backend (FastAPI + LLM workflows) and native Android app (Kotlin + Jetpack Compose).
- Implemented autonomous task execution, long-term memory, knowledge graph management, and YOLOv8-powered object detection.
- Integrated real-time Telegram bot, Twilio voice/SMS, live video streaming, browser automation, and on-device wake word detection.
- Built a trading module, safety control layer, and skills/learning engine enabling continuous autonomous improvement.

Rakshak — Blood Donation & Management Application (Group Mega Project)

Tech: Flutter, Dart, Firebase

- Led a team of 4 engineers to design and deliver a full-stack blood donation platform solving a real-world healthcare challenge.
- Delivered the project 2 weeks ahead of schedule, demonstrating strong project management and cross-functional collaboration.
- Showcased full-stack mobile expertise in Flutter/Dart with Firebase backend, real-time data sync, and production deployment.

EDUCATION

Dr. J J Magdum College of Engineering — Jaysingpur, Maharashtra 12/2021 – 06/2025

B.Tech in Computer Science and Engineering | CGPA: 8.11 / 10

Maratha Mandir Jr. College of Science and Commerce — Gadhinglaj 01/2020 – 12/2021

HSC (Class XII) | CGPA: 9.16 / 10

TECHNICAL SKILLS

Frontend: Next.js, React.js, TypeScript, JavaScript, HTML5, CSS3, GSAP, Tailwind CSS, Flutter, Dart
Backend: Node.js, FastAPI, Python, REST APIs, Socket.io, LangChain, Prisma ORM
Databases: PostgreSQL, Supabase, Firebase, MongoDB, SQLite, Redis, NHost
Mobile: Flutter (Dart), Kotlin, Jetpack Compose, Android SDK, Android Development
AI / ML: LLMs, LangChain, TensorFlow 2, Keras, YOLOv8, OpenCV, NumPy, Pandas, Scikit-learn, NLTK, Matplotlib, Piper TTS, Generative AI
Tools & Platforms: Git, GitHub, Shopify, Razorpay, Twilio, Telegram Bot API, Vercel, Supabase, NHost
Other: SEO Optimization, UI/UX Design, Agile Development, Team Leadership, Code Review

CERTIFICATIONS

Machine Learning, Data Science and Generative AI with Python — Udemy	Jul 2025
Flutter & Dart — The Complete Guide — Udemy	Jul 2025
Ethical Hacking From Scratch — Udemy	Jul 2025
Building Applications with Flask and Django Frameworks — MKCL	May 2025
Generative AI and ChatGPT — GeeksforGeeks	Oct 2025
Python Programming — GeeksforGeeks	Oct 2025
Android 14 & Kotlin Development — Udemy	Jul 2024
ReactJS — Platominds Services Pvt. Ltd.	Aug 2024
Introduction to Data Science — Infosys	Aug 2024

KEY ACHIEVEMENTS & ACTIVITIES

- Published a research paper in IRJMETS (ID: IRJMETS70400181869).
- 3rd Rank, IoT-Link 2023 — College-level project presentation competition.
- 3rd Rank, Chess — College-level sports championship.
- Co-ordinator, Innovate 2k23 — National-level event organized by SORT.
- Led a team of 4 engineers; delivered a major production project 2 weeks ahead of schedule.
- Identified and resolved production bottlenecks that improved team operational efficiency by 20%.

LANGUAGES

Marathi (Native) | **Hindi** (Native) | **English** (Proficient)