KARTHIK IDIKUDA

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TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, HTML5, CSS3, SQL
Frontend	React.js, Next.js, Vite, Tailwind CSS, Redux, Responsive Design, Accessibility (WCAG)
Backend	FastAPI, Flask, Node.js, REST APIs, WebSockets, JWT / OAuth
AI / ML / CV	TensorFlow, PyTorch, OpenCV, YOLO, Object Detection & Tracking, Image Processing, Model Optimization
Design	Figma, Wireframing, Prototyping, Design Systems, Usability Testing, User Research, Canva
DevOps / Cloud	Git, GitHub, Docker, CI/CD, AWS (Cloud Foundations), Linux, Vercel, Postman

PROFESSIONAL EXPERIENCE

Full Stack Engineer Intern
Jan 2026 – Present

OriMind · On-site · Hyderabad

- Architected React and Next.js front-end modules for core AI-product workflows, improving page load speed and UI responsiveness
- Engineered FastAPI and Flask RESTful microservices powering AI features with robust error handling and automated testing
- Partnered cross-functionally with product managers and designers to ship user-centric interfaces aligned with business KPIs
- Implemented responsive, mobile-first layouts using Tailwind CSS with consistent rendering across all major browsers

Computer Vision Engineer Intern
Jun 2025 – Dec 2025

Karoza Technologies LLP · Hybrid · Rajkot

- Designed and deployed real-time object detection and tracking pipelines for industrial automation using OpenCV, TensorFlow, and PyTorch
- Optimized deep learning inference for edge deployment through quantization and pruning, reducing latency while preserving accuracy
- Built automated data preprocessing pipelines (augmentation, normalization, denoising) improving model robustness on diverse data
- Integrated CV solutions into production systems via REST APIs and real-time streaming, enabling hands-free automation workflows

UI/UX Designer
Oct 2024 – Jan 2025

pax-z · Remote · Hyderabad

- Designed end-to-end UIs in Figma — wireframes, high-fidelity mockups, and interactive prototypes for web and mobile platforms
- Built reusable component-based design system ensuring visual consistency and faster design-to-dev handoff across teams
- Conducted structured usability testing, iterating on feedback to improve task completion rates and accessibility compliance

Software Engineering Trainee
Jan 2024 – Jun 2024

NSIC Technical Services Centre (Govt. of India) · On-site · Secunderabad

- Completed 6-month intensive training executing hands-on software development projects under senior engineer mentorship
- Delivered multiple technical projects addressing real-world CS challenges within tight deadlines in agile environments

EDUCATION

B.Tech, Artificial Intelligence — Marwadi University, Gujarat
Jul 2024 – Sep 2027

Led design initiatives for web/mobile apps · Collaborated on AI + full-stack projects (Vite, APIs, Figma) · Ran Facebook ad campaigns using Canva

Diploma, CS Engineering — Sree Dattaha Group of Institutions
2021 – 2024

Grade: A · UI/UX design clubs, hackathons, tech fests · Design thinking workshops, coding bootcamps, digital marketing

CERTIFICATIONS

Machine Learning I (Columbia Univ.) · **AWS Cloud Foundations** (AWS) · **AI: Human-Computer Interaction** (Infosys Springboard) · **AI: HCI** (Skillsoft) · **Software Engineer** (Infosys Springboard) · **Claude Code in Action** (Anthropic) · **Prompt Engineering** (DeepLearning.AI) · **Generative AI** (Google) · **Python for Data Science** (IBM) · **Python Essentials 1** (Cisco) · **Cybersecurity** (Cisco) · **Operating Systems** (Cisco) · **Network Computer Technician** (Cisco)