

Hamza Akmal

AI Developer | Full-Stack Engineer | Data Science Student

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Summary

Results-driven AI Developer and Full-Stack Engineer with 3+ years of experience building and deploying real-world applications across web, mobile, and browser platforms. Skilled in AI automation, machine learning, TensorFlow Lite, and modern DevOps practices. Passionate about creating scalable solutions that improve productivity and digital well-being.

Education

Superior University, BS in Data Science – Lahore, Pakistan Aug 2024 – Dec 2028

- CGPA: 3.65/4.00
- Coursework in Machine Learning, Artificial Intelligence, and Data Engineering
- Active participant in AI/ML research projects hackathons & startup weekends

Experience

Lead Developer, Downlabs – Lahore, Pakistan Sept 2023 – present

- Developed Agent OS Agentic Chrome extension on Chrome Web Store
- Built LimitX Android app on Google Play Store
- Implemented on-device ML models using TensorFlow Lite for real-time content analysis
- Managed full product lifecycle from concept to deployment across multiple platforms

Projects

Agent OS - AI Browser Automation Sept 2024 – Nov 2025

AI-powered Chrome extension for intelligent browser automation and web task execution

- Built natural language task interpreter enabling users to automate complex web workflows without coding
- Implemented multi-step workflow planning with intelligent form detection, auto-filling that reduced manual work by 60%
- Developed web scraping engine supporting data extraction to JSON/CSV with batch processing capabilities

Sync0.dev - AI Personal Assistant June 2025 – Jan 2026

Intelligent voice-enabled personal assistant leveraging MCP servers for task automation

- Architected MCP-based conversational AI assistant with voice input for hands-free operation
- Integrated multiple MCP servers to automate daily workflows including scheduling, reminders, and task management

LimitX - AI NSFW Blocker Feb 2024 – Dec 2024

System-wide AI-powered content filtering app for Android with complete offline functionality

- Engineered system-wide content blocker protecting all apps (TikTok, Instagram, YouTube, Netflix, WhatsApp, etc.)
- Deployed on-device TensorFlow Lite model for real-time NSFW detection with zero cloud dependency
- Implemented privacy-first architecture with no data collection

Skills

Programming: Python, JavaScript, Kotlin, HTML/CSS

AI & Machine Learning: TensorFlow, On-device ML, LoRA Fine-Tuning, NLP, Yolov5

Web Development: Chrome Extensions (Manifest V3), RESTful APIs, Web Scraping, Full-Stack Development

Mobile Development: Android (Kotlin/Java using Prompt Engineering)

DevOps & Cloud: Docker, GitHub Actions, AWS, cPanel, CI/CD Pipelines,

Tools & Collaboration: Git, Slack, Jira, Trello, Agile/Scrum