Saifullah Channa

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SUMMARY

Results-driven AI Engineer and Full Stack Developer with 2+ years of experience building scalable backend systems, APIs, and production-ready machine learning solutions. Specialized in LLMs, RAG pipelines, generative AI (Stable Diffusion), NLP, and computer vision. Built an open-source platform with 1,500+ GitHub stars. Known for architecting practical, real-world AI applications and integrating custom models into full-stack (Next.js, Python, Node.js) enterprise environments.

TECHNICAL SKILLS

AI & Machine Learning: PyTorch, TensorFlow, Hugging Face, OpenAI API, LangChain, LLMs, RAG, Stable Diffusion, NLP, Computer Vision, Scikit-learn
Languages: Python, TypeScript, JavaScript, SQL
Frameworks & Tools: Next.js, React, Node.js, FastAPI, Express.js, Pandas, NumPy, Playwright
Databases: PostgreSQL, MongoDB, MySQL, Redis, Vector Databases (Pinecone, ChromaDB)
Cloud & DevOps: AWS, Docker, Git, GitHub Actions, Vercel, Firebase, CI/CD Pipelines
Other: Prompt Engineering, Model Fine-tuning, Data Preprocessing, Web Scraping, Browser Automation, REST APIs, GraphQL

EXPERIENCE

Founder & Lead Developer — Jan 2026 – Present
HeadlessX (Open Source) — *Remote*
- Architected and launched an open-source headless browser automation platform, growing community to 1,500+ GitHub stars
- Engineered enterprise-grade API-first architecture using custom-patched Firefox engine (Camoufox) and Playwright
- Developed 40+ built-in anti-detection mechanisms with behavioral simulation, achieving a 0% bot-detection rate

AI Engineer (Freelance) — Nov 2024 – Present
Fiverr — *Remote*
- Designed and deployed AI-driven applications, specializing in integrating machine learning systems into scalable production environments
- Built LLM-based products utilizing RAG architectures and advanced prompt engineering techniques
- Fine-tuned generative models and developed computer vision applications focused on delivering practical, real-world results

Full Stack Developer (Freelance) — Feb 2024 – Present
Fiverr — *Remote*
- Designed and built scalable web applications, backend systems, and APIs utilizing Next.js, React, and Node.js
- Established robust engineering foundations that currently support applied AI and production machine learning workflows
- Developed complex backend architectures, data synchronization pipelines, and custom enterprise dashboards

PROJECTS

HeadlessX | *Node.js, Playwright, Camoufox, AI, TypeScript* | GitHub | Website
- Built self-hosted headless browser platform with 0% detection rate and AI-powered intelligent data extraction
- Implemented ML-based behavioral simulation, fingerprinting control, and WAF/Cloudflare challenge auto-solving

ClipFlow | *Next.js, React, Fireworks AI, Video Processing* | *Closed Source*
- Engineered autonomous video pipeline transforming raw footage into production-ready reels with AI analysis
- Automated music sourcing, caption generation, and publishing to Instagram via Google Drive triggers

Resumind AI | *Next.js, TypeScript, OpenAI API, NLP* | GitHub
- Developed privacy-first resume analyzer with GPT-5 mini integration for ATS scoring and skill gap analysis
- Implemented NLP-based grammar checking, professional summary generation, and job description matching

X Scraper AI | *Python, FastAPI, Machine Learning* | GitHub
- Built AI-powered Twitter/X.com data extraction tool with sentiment analysis and engagement metrics
- Developed automated data cleaning pipelines with NLP-based content classification and pattern recognition

Arzuna.ae | *Next.js, Node.js, Machine Learning* | Website
- Developed corporate website and AI automation dashboard with ML-powered lead scoring for UAE consultancy
- Integrated CRM (ClickUp), predictive analytics, real-time data sync, and automated ML-driven reporting

EDUCATION

Open Source Society University   Sep 2023 – Jan 2026
Bachelor's Equivalent (Self-taught), Computer Science

Government Islamia Science College Sukkur   Aug 2024 – May 2026
Intermediate in Computer Science

Govt. High School Sukkur Number-1 (Managed by Sukkur IBA University)   Aug 2022 – May 2024
Matriculation in Science (Grade: A)

CERTIFICATIONS

Gemini Certified University Student | Fundamentals of MCP (Model Context Protocol) | IBM Full Stack Software Developer Professional Certificate | CS50's Introduction to Computer Science | Python Programming Certification | What is Data Science? | Introduction to English Common Law

LANGUAGES

English: Professional Working Proficiency | **Urdu**: Full Professional Proficiency | **Sindhi**: Native or Bilingual Proficiency