

PROFESSIONAL SUMMARY

AI/ML Engineer with 4+ years of professional experience specializing in developing intelligent systems and scalable web applications. Proficient in Python, React, and FastAPI with proven track record delivering enterprise-grade solutions. Expert in Machine Learning, Generative AI, and full-stack development. Led cross-functional teams of 5+ developers while maintaining 99.9% system uptime. Adaptable to both remote and office work environments. Currently pursuing Bachelor's in Software Engineering with 3.88 CGPA, committed to continuous learning in emerging technologies.

EDUCATION

- **National University of Sciences and Technology**

Bachelor of Software Engineering; CGPA: 3.88/4.0 (97%)

◦ Relevant Coursework: Data Structures & Algorithms, Machine Learning, Database Systems, Software Engineering, Object-Oriented Programming, Web Technologies, Calculus, Linear Algebra, Probability and Statistics, Discrete Mathematics, Numerical Methods, and related subjects

Islamabad, Pakistan

2022 – 2026

• **Divisional Public School and Inter College**

FSC Pre-Engineering; 1055/1100 (95.9%)

Sahiwal, Pakistan

2020 – 2022

• **Divisional Public School and Inter College**

Matriculation; 1078/1100 (98%)

Sahiwal, Pakistan

2018 – 2020
- EXPERIENCE
- **Digital Perception (PVT.) LLP**

ML Engineer (Entry-Level) — Software Developer

◦ Engineered 5+ intelligent ML systems using Python, TensorFlow, and LangChain, improving data processing efficiency for enterprise applications

◦ Architected robust backend services and REST APIs using FastAPI and Node.js, handling 1000+ daily requests with 99.9% uptime and sub-200ms response times

◦ Implemented Natural Language Processing solutions and automated content generation systems, reducing manual processing time by 60%

◦ Collaborated with cross-functional teams to deliver full-stack solutions

◦ Deployed MLOps pipelines and CI/CD workflows using Docker, improving model deployment efficiency by 50%

Islamabad, Pakistan

2022 – Present

• **Freelance Ventures**

MERN, Python, Java & C++ Developer

◦ Delivered 10+ full-stack solutions and custom software applications using MERN stack, Java, Python, and C++

◦ Developed educational and enterprise-grade applications serving 1000+ users with 98% client satisfaction rate and 100% project delivery success

◦ Optimized application performance achieving 70% faster load times and implemented responsive web designs increasing mobile engagement by 45%

◦ Managed project lifecycles from requirements gathering to deployment, consistently delivering projects on time and 15% under budget

Remote

2021 – Present

TECHNICAL SKILLS

• **AI/Machine Learning:** Python, NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, Matplotlib, Hugging Face Transformers, LangChain, LangGraph, LLMs, FastAPI, AI Agents, Agentic AI, RAG, GraphRAG

• **Web Development:** React, Vite, Tailwind CSS, JavaScript, Node.js, Express.js, HTML, CSS

• **Programming Languages:** Python, JavaScript, C++, Java

• **Databases:** MySQL, SQLite, PostgreSQL, MongoDB, Neo4j, Cypher, AstraDB, ChromaDB, Pinecone

• **Tools & Technologies:** Git, GitHub, Docker, Streamlit, Jupyter Notebook, VS Code, PyCharm, Apache NetBeans, Postman, Swagger; others.

• **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, Knowledge Graphs, Vector Databases

CERTIFICATIONS & TRAINING

- **Knowledge Graphs:** Neo4j Certified Professional, Neo4j LLM Fundamentals, Intermediate Cypher Queries, Importing Data Fundamentals, Graph Data Modeling Fundamentals (neo4j — GraphAcademy)
- **Machine Learning Specialization:** AI Agents, Agentic AI, RAG, GraphRAG, NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, Matplotlib, Hugging Face Transformers, LangChain, LangGraph, LLMs (DeepLearning.AI — Coursera)
- **Full-Stack Web Development:** MERN Stack, React Development, Node.js Backend Development
- **Cloud & DevOps:** Docker Containerization, Git Version Control, Design Patterns (Code with Mosh - YouTube)

PROJECTS

- **Inklytic:** AI-powered OCR web application extracting structured data from PDFs/images with 95% accuracy. Tech Stack: Python, FastAPI, React, PostgreSQL, MongoDB, OpenCV, LandingAI. Processed 10,000+ documents, reducing manual data entry by 80%.
- **AURA-Core v1.0.0:** Python-based voice assistant featuring NLP, deep learning, speech recognition, text-to-speech, and system-level automation capabilities.
- **RAG-Powered Knowledge Management System:** Full-stack system combining Vector Databases and LangChain with FastAPI for intelligent knowledge retrieval and management.
- **Text2Graph:** Python-based system converting unstructured text into knowledge graphs for enhanced visual representation and data analysis.
- **QuizGen:** AI-powered quiz generator utilizing GPT-3.5, built with React frontend and FastAPI backend for educational content creation.
- **Journevia:** MERN-based travel blog platform enabling users to share and discover personal journey stories with interactive features.
- **Taskify:** Comprehensive task and to-do list management application built with MERN stack featuring user authentication and real-time updates.
- **Fyndra:** Python-based web scraping and search system for e-commerce platforms with automated data extraction and analysis.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- **Vice President – Software Society:** MCS Rawalpindi — Led society members, organized 5+ technical workshops serving 500+ students (2025 – Present)
- **Course Representative:** BESE-28, MCS Rawalpindi — Represented 120+ students in academic matters and curriculum development
- **Punjab Police Youth Internship Programme:** DPO Office Sahiwal — Selected for a competitive internship program focused on community outreach and institutional transparency. Worked alongside law enforcement to support public awareness campaigns and policy research (Aug 2024 – Sept 2024)
- **Event Organizer & Manager:** Coordinated 12+ technical and cultural events with budgets exceeding \$5000, achieving 95% participant satisfaction
- **Community Service Volunteer:** Various NGOs & Local Initiatives — Contributed over 5 years to education drives, environmental cleanups, and health awareness campaigns (2019 – Present)
- **Captain – Cricket Team:** DPS Sahiwal — Led team of 15 players, managed training schedules and game strategies, achieved championship
- **Technical Competitions:** Participant in hackathons, sports, science fairs, literary, and debate competitions

LANGUAGES

- **Native:** Urdu, Punjabi **Fluent:** English
- **Intermediate:** German **Basic:** Turkish, Arabic

ADDITIONAL SKILLS

- **Soft Skills:** Content Writing, Communication, Project Management, Critical Thinking, Problem Solving, Team Collaboration, Time Management, Event Planning