SUMMARY

Highly skilled **Full Stack AI** engineer with over 5 years of experience in designing, building, and deploying machine learning models and systems, I possess a Master's degree in **Information Technology**. I have a strong background in data analysis, data visualization, and machine learning techniques, with a proven track record of delivering high-quality, scalable solutions. My expertise in working with geographic data and python scripting, as well as my proficiency in MySQL Database and Geo-database, allows me to effectively analyze, interpret, and utilize large amounts of data. I am a proactive and detail-oriented problem solver, always striving to stay up to date with the latest technologies and industry trends. Enthusiastic team player who is committed to delivering top results on time and within the budget. Seeking a challenging and rewarding position in an organization.

WORK EXPERIENCE

FullStack AI **Engineer**(Freelance) at Upwork   Mar 2019 - present

- Developed and deployed 10+ cutting-edge GenAI solutions including:
- RAG-Based Q&A System – Built a chatbot using OpenAI + FAISS to answer questions from legal/policy documents
  Agentic AI Assistant – Created an LLM agent via LangGraph to automate tasks like "Book my flight + hotel + calendar block."
- Multimodal RAG – Let users search video slides or PDFs like "Where does person X talk about success in life?"
- AI Research Assistant – Enabled paper upload + querying ("Summarize section 3.1") via LangChain + GPT.
- Meeting Extractor – Audio-to-LLM pipeline using Whisper to summarize action items and decisions.
- Document Parser – Extracted structured fields from invoices using Tesseract OCR + LayoutLM.
- Recommender System – Built skill-based job/course recommender using vector embeddings.
- Voice-to-Text App – Speech pipeline with Whisper/NVIDIA NeMo for transcription and speaker separation
- Policy Navigator – AI agent for citizens to ask about local laws via PDF-based retrieval + LLM.
- Knowledge Base Agent – Allowed querying across diagrams, notes, and code snippets using embeddings
- Built a modular agent architecture using LangGraph for autonomous research and task planning
- Designed a multi-agent executor with LangChain and FastAPI for tool selection and task delegation
- Developed an AI code assistant using OpenAI Codex with refactoring and debugging features
- Created a document automation system using LayoutLMv3 and OCR with FastAPI and Docker
- Deployed an LLM-powered Slack bot for Q&A, summarization, and meeting agenda generation
- Engineered a Python backend template for LLM integration with OpenAI, Claude, and local models
- Built a benchmarking suite for LLM evaluation across accuracy, cost, and performance metrics
- Implemented a multilingual RAG chatbot for policy Q&A using LangChain and Google Translate API
- Created a voice-enabled assistant using NVIDIA NeMo for real-time task execution and scheduling

- Deployed deep learning models (CV, NLP, Transformers) using PyTorch, TensorFlow, and AWS.
- Developed full-stack solutions with backend APIs, vector databases, and frontends for end-user interaction.
- Created BI dashboards using Power BI and automated geospatial data workflows with ArcGIS + Python.
- Led cross-functional teams and mentored junior engineers in AI development pipelines.

Junior FullStack AI Developer at ZaaynahZaaynah Enterprises — DEC 2023 - present

- Developed and deployed machine learning models and systems, utilizing advanced algorithms to address business challenges in areas like image classification and object detection.
- Employed data analysis techniques and applied feature engineering methods to enhance the accuracy and efficiency of the machine learning models.
- Collaborated with diverse teams to seamlessly integrate machine learning models into production systems, ensuring optimal performance and reliability.
- Conducted in-depth analysis of extracted data, presenting the findings through interactive plots for clear visualization.

Local Freelancing — Jan 2020 - July 2020

- Different types of Dashboards and reports on Power BI
- Analysis of Sales Record
- Big data processing
- Crypto Analysis of past 5 years

EDUCATION

MS(Information Technology) at Nust University, Islamabad — 09 2020 - 09 2022
    CGPA: 3.5
    Thesis Title: Prediciton of Panic Attacks Using ML from MI Data

BS(Information Technology) at PMAS- Arid Agriculture University — 08 2016 - 08 2020

    FYP Title: Wireless AI smart Parking System Using Machine Learning

SKILLS

Hard Skills	Statistical Analysis, Data Visualization, Machine Learning, Deep Learning, Computer Vision, NLP, Data Cleansing, Data Collection, Data Extraction, Data analytics, Pandas, NumPy, Matplotlib, Scikit-Learn, Seaborn, PyTorch, Keras/TensorFlow, Model Deployment, Model integration, NLTK, MYSQL, AWS, Git/Github, Latex
Soft Skills	Self-Learning, Problem Solving, Critical thinking, Creative thinking, Adaptability, Communication, Teamwork, Leadership

Languages

Core Knowledge	Python, R, C++, SQL
Basic Knowledge	Java, HTML, CSS, Javascript, JQuery, PHP, C#

Tools

Core Knowledge	Anaconda, Jypyter Notebook, VS Code, Pycharm, Power BI, MS SQL Server, ArcGIS Pro, ArcMap, QGIS MS Excel
Basic Knowledge	Matlab, Unity 3D, Hadoop, Android Studio, MS Access

Academic Achievements

- Certificate of Merit (Gold Medal)
- Certificate of Academic Honour (Cum Laude)
- Certificate of Scholarship (PEEF)

Certificates

- IBM Data Science Professional Certificate
- Advanced Data Science with IBM Specialization
- Python Development
- Oracle Database Development
- Advanced Data Science Techniques in SPSS
- Diploma in Python with Data Science and Machine Learning
- Machine Learning & Data Science A-Z- Hands-on Python 2021
- NLP Basic Course
- Python with numpy for datascience and machince learning
- Python-Introduction to Data Science and Machine learning A-Z
- The Complete Course on Data Analysis and Data Visualization