Syed Nameer Ali

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EDUCATION

Institute of Business Administration (IBA)   Karachi, PK
B.S. Computer Science   *Aug. 2019 – Jun. 2023*

- Relevant Courses: Statistical Inference, Data Mining, Data Warehousing, Computer Vision, Algorithms, Design Patterns, Web Application Development, Business Intelligence.

EXPERIENCE

Sofstica Solutions PVT. LTD   Karachi, PK
Software Engineer AI   *Oct. 2023 – Present*

- Engineered and deployed **RRS-Copilot**, an intelligent agentic AI system validated on the **MIMIC FHIR dataset**, achieving **87% sensitivity** in predicting clinical deterioration and delivering **14-hour advance alerts** to healthcare professionals, potentially preventing critical patient outcomes.
- Optimized AI-driven clinical workflows using **LangGraph**, **LangSmith**, and **FastAPI**, achieving a **42% reduction in false-positive alerts** compared to conventional early warning systems, significantly improving clinical decision-making efficiency.
- Architected and developed the **Provider Integrated System (PIS)**, an enterprise-grade middleware solution using **Spring Boot** that enables seamless interoperability across major EHR providers including **Cerner, Epic, and Meditech**, supporting both **HL7v2 and FHIR** standards for real-time and request-response healthcare data exchange.

Folio3 PVT. LTD   Karachi, PK
Artificial Intelligence Intern   *Jul. 2022 – Aug. 2022*

- Engineered complete **machine learning pipelines** encompassing data cleansing, feature engineering, model training, and evaluation for real-world AI use cases.
- Designed and implemented a **real-time number plate recognition system** using YOLOv5 and OCR techniques, achieving **88% accuracy** and reducing processing time by **50%**.

PROJECTS

Talent Hive – AI-powered HR Management System (Final Year Project)   *Spring 2023*

- Engineered a full-stack Human Resource Management System to streamline recruitment workflows for HR departments.
- Built a custom **SpaCy Named Entity Recognition (NER)** model for intelligent resume parsing and auto-tagging.
- Integrated candidate scoring, resume ranking, and structured profile visualization to enhance decision-making.

PaperTalk – Chat with PDFs   *2023*

- Built a conversational PDF assistant using LangChain, Streamlit, ChatGPT, and Hugging Face LLMs.
- Optimized backend with multithreading and vector embeddings, reducing response time by 40%.

Real-Time Number Plate Detection System   *Folio3 PVT. LTD, 2022*

- Built a real-time detection system using YOLOv5 and OCR to identify license plates in images/videos.
- Achieved 92% accuracy on Pakistani number plates using EasyOCR and a custom text recognition pipeline.

CERTIFICATIONS

Datacamp: Intermediate SQL, Intermediate Python, Understanding Machine Learning
Coursera: AI For Everyone, Foundations of Data Science, Machine Learning Specialization
Kaggle: Intro to Machine Learning, Intermediate Machine Learning

SKILLS & INTERESTS

Programming Languages: Java, Python, SQL
Web & API Development: FastAPI, Spring Boot, Flask, Django, Pydantic, Pydantic AI
AI/ML Frameworks: LangChain, LangGraph, Ollama, LangSmith, TensorFlow
Databases & Storage: MySQL, PostgreSQL, MongoDB, Redis, AWS S3
DevOps & Tools: Git, Docker, GitHub Actions, AWS EC2, RabbitMQ