

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

PingKode

Karachi, PK

Software Engineer

Aug. 2025 – Present

- Developing backend systems with **Django** for a medical appointment booking platform, integrating secure authentication, appointment scheduling, and user management.
- Integrating a conversational AI chatbot into an existing HRMS web application using **LangChain**, enabling real-time candidate and employee queries through natural language understanding.

Sofstica Solutions PVT. LTD

Karachi, PK

Software Engineer AI

Oct. 2023 – July 2025

- 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 **6-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

- Developed a real-time **number plate recognition system** with **YOLOv5 + OCR**, achieving 88% accuracy and 50% faster processing.
- Built ML pipelines for data cleaning, feature engineering, training, and evaluation.

PROJECTS

CourtConnect – Indoor Sports Court Booking Platform

2025

- Built a full-stack app (**Django/DRF + Next.js**) with **JWT** auth, role-based access (Player/Owner/Admin), court management, and search/filters.
- Implemented conflict-free time-slot booking and availability APIs; Stripe payments/webhooks in progress.

Talent Hive – AI-powered HR Management System (FYP)

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%**.

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

AI/ML Frameworks: LangChain, LangGraph, Ollama, LangSmith, TensorFlow, Gemini CLI, Claude Code, n8n

Databases & Storage: MySQL, PostgreSQL, MongoDB, Redis, AWS S3

DevOps & Tools: Git, Docker, GitHub Actions, AWS EC2, RabbitMQ