

# SYED ARHUM HUSSAIN

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**Portfolio:** <https://arhumhussainportfolio.com/>

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## SUMMARY

2+ years of experience as an AI/ML Engineer and Full-Stack Developer specializing in intelligent systems and scalable web applications. Proficient in React.js, Django, Flask, and FastAPI with hands-on expertise in machine learning using GCP Vertex AI and Azure AI Foundry. Demonstrated success in model training, deployment, and optimization, consistently delivering production-ready solutions that drive measurable business value. Skilled at integrating advanced AI technologies with full-stack development to create innovative applications that meet enterprise requirements.

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## EDUCATION

July 2021 - July 2025

DHA SUFFA UNIVERSITY

(Bachelor of Science in Computer Science)

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## EXPERIENCE

### 1) Let's Grow More - Data Science

June 2024 - June 2025

- Developed and deployed 5+ machine learning models for predictive analytics, achieving 85%+ accuracy in classification tasks
- Built automated ETL pipelines using Python and SQL, reducing data processing time by 60%
- Created interactive dashboards in PowerBI for stakeholder reporting, leading to data-driven decision making across teams
- Implemented feature engineering techniques and dimensionality reduction, improving model performance by 75%
- Collaborated with cross-functional teams using Agile methodologies to deliver projects on time

### 2) Code Soft - Full Stack Development

August 2023 - Dec 2023

- Developed 3+ full-stack web applications using Full Stack with integrated AI features and real-time data processing
- Built scalable FAST API with React.js and Django , implementing Postgresql for efficient data management
- Designed responsive React.js frontends with modern UI/UX principles and component-based architecture
- Build Chatbot using RAG , LangChain , OpenAI , PyTorch , TensorFlow , OpenCV , Streamlit .

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## SKILLS

- **Languages:** Python , JavaScript , java
- **Web Development:** Django , React.js Django ORM, Flask , Postgresql , MySQL .
- **AI/ML:** LLM Fine-Tuning, OCR , RAG,(LangChain + ChromaDB/FAISS), Agentic AI.
- **Cloud & Platforms:** GCP Vertex AI, Azure AI Foundry, AWS Sagemaker, Power BI.
- **APIs & Automation:** OpenAI Key, OLAMA, LoRA, MCP, Streamlit , FAST API.
- **Methodologies:** Agile, Workflow Automation , Docker.