

SYED ARHUM HUSSAIN

arhumhussain212@gmail.com • +92 332 339 1128 • <https://arhumhussainportfolio.com/>

• [linkedin.com/in/arhum-hussain](https://www.linkedin.com/in/arhum-hussain)

SUMMARY

AI/ML Results-driven Full Stack Backend Developer with advanced expertise in Python, Django, And FASTAPI and LLM/OCR Integration. Proven track record in designing and deploying scalable web applications and AI integrations with optimizing backend performance, and delivering seamless user experiences. Adept at database management with PostgreSQL, implementing robust security measures, and collaborating in cross-functional teams to drive project success.

EXPERIENCE

*Let's Grow More, **Full Stack Developer***

Jun 2024 - Jun 2025

- Designed and deployed AI-powered chatbots using LangChain RAG pipelines integrated with FAISS and ChromaDB vector databases, processing 10K+ daily customer queries with a 90% resolution improvement through OpenAI API integration
- Developed scalable backend systems using Python, FastAPI, and Pydantic, reducing response times by 65% and streamlining developer onboarding through comprehensive API documentation with Swagger UI
- Built production-ready Django REST Framework microservices with JWT authentication and role-based access control, achieving an 85% reduction in unauthorized access incidents across distributed systems

*Code Soft, **Full Stack Backend Developer Intern***

Aug 2023 - Dec 2023

- Developed 3+ full-stack web applications integrating AI-driven features and real-time data processing using Django, enhancing system efficiency by 80%.
- Designed and deployed REST APIs with FastAPI (Pydantic + Swagger UI) and Express.js (JWT + middleware), reducing response times by 65%.
- Created responsive React.js frontends following modern UI/UX principles and component-based architecture, improving user engagement by 90%.

EDUCATION

DHA SUFFA UNIVERSITY

Bachelor of Science in Computer Science • Jul 2021 - Jul 2025

LICENSES & CERTIFICATIONS

Generative AI and LLMs: Architecture and Data Preparation

Google • <https://www.coursera.org/account/accomplishments/verify/PL084OTSTBKS> •

Google Data Analytics

Google • <https://www.coursera.org/account/accomplishments/professional-cert/L2DSQEMKYSEY> •

introduction to RAG

Duke University • <https://www.coursera.org/account/accomplishments/verify/342MEG4I4S5I> •

AI Agent Fundamentals

Databricks • <https://credentials.databricks.com/bf9355c6-7412-48f8-af67-5c4b703fbaa0#acc.AWf3> •

SKILLS

Python • FASTAPI • Next.JS • Django REST Framework • AI Chatbot • RAG • LangChain • PostgreSQL • SQL • Docker • TensorFlow • PyTorch • XGBoost • GitLab CI/CD • DataBricks Ai Agents • DataLakes