

# Syed Mesum Ali Shah

## Full Stack & AI Agents Developer

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### PROFESSIONAL SUMMARY

Full Stack Developer specialized in building intelligent systems and autonomous business architectures. Expert in bridging the gap between LLMs and production-ready software using Spec-Driven Development and Multi-Agent Orchestration. Currently pursuing Software Engineering, focused on delivering scalable CRM and Inventory solutions that optimize operational efficiency through advanced AI automation.

### TECHNICAL SKILLS

<b>AI &amp; Agents:</b>	OpenAI Agents Python SDK, Multi-Agent Orchestration, Spec-Driven Development (SpeckitPlus), n8n Workflow Automation
<b>Frontend:</b>	Next.js (App Router), React.js, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3
<b>Backend:</b>	Python, FastAPI, Node.js, RESTful API Design, JWT Authentication
<b>Databases:</b>	PostgreSQL (Neon), Prisma (ORM), SQLAlchemy, Alembic (Migrations)
<b>DevOps &amp; Tools:</b>	Git/GitHub, Vercel, Hugging Face, Postman, Linux, AI Observability Tools

### PROFESSIONAL EXPERIENCE

#### Jr. Full Stack Developer | Plug IT Solution

Aug 2024 – Mar 2025

- Built and maintained full-stack web applications using Next.js and FastAPI, improving system performance and scalability.
- Designed and developed RESTful APIs for CRM and inventory management systems, ensuring seamless and efficient data flow.
- Collaborated with cross-functional teams to deliver production-ready software on schedule.

#### Full Stack Developer | Freelance / Client Work

Apr 2025 – Present

- Delivered custom CRM and inventory management systems for local businesses, improving operational efficiency.
- Built AI-powered chatbots using RAG (Retrieval-Augmented Generation) pipelines for customer support and internal process automation.
- Delivered complete end-to-end solutions including frontend, backend APIs, database design, and cloud deployment.
- Worked directly with clients to gather requirements and deliver scalable, business-focused solutions.

### EDUCATION

#### Bachelor of Engineering – Software Engineering

Iqra University, Karachi

2026 – In Progress

#### Certified Agentic AI Development

Governor Sindh IT Initiative (GIAIC)

2025 – In Progress

#### Intermediate – Computer Science

Jamia Milia College

Jul 2022 – Jul 2024

#### Matriculation – Computer Science

S.R.C Academy

Jul 2020 – Jul 2022

## LANGUAGES

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English | Urdu