

# SYED HAJI ALI

Email: syedhajiali.ai@gmail.com | Phone: +91 8919668007 | Location: Hyderabad, Telangana.  
LinkedIn: <https://www.linkedin.com/in/haji-ali-syed-023346201/> | GitHub:  
<https://github.com/SyedHajiAli>

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## Professional Summary

Aspiring AI Engineer & Data Science professional with hands-on experience in developing intelligent, scalable solutions eager to contribute to an organization that values innovation and growth. I am dedicated to continuous learning, problem-solving, and delivering meaningful outcomes through creativity and strategic thinking. With a mindset focused on collaboration, adaptability, and precision, I aim to bring value by transforming ideas into impactful results while advancing my professional journey in a dynamic and forward-looking environment.

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## Technical Skills

- **Machine Learning / AI :** Supervised & unsupervised learning, CNNs (U-Net), model evaluation, feature engineering, TensorFlow, Keras, PyTorch
- **Model deployment:** Docker, REST APIs, Flask/Streamlit
- **LLM & Prompt Engineering:** Prompt design, few-shot & instruction tuning, LLM orchestration, tool invocation patterns, prompt evaluation & iterative refinement. RAG pipelines, retrieval strategies, embeddings & vector DB concepts (FAISS/Pinecone style)
- **Automation & Multi-Agent Systems:** Highly scalable, multi-agentic orchestration with n8n Workflow automation, JSON-based tool invocation, datatables integration, real operation execution. CI/CD readiness and production considerations
- **Data & Visualization:** Pandas, NumPy, Scikit-learn, Power BI, Excel, Matplotlib, Jupyter
- **Web & Backend:** Python, basic Java, Flask, Streamlit, HTML/CSS, Bootstrap, JavaScript, SQL, REST API integration, SQL, Database Design and Querying
- **Platforms & Tools:** n8n, Docker, Ngrok, EasyPanel, AWS (hosting/deployment concepts), Git, Visual Studio Code, Mendix.
- **Soft Skills:** Communication, Analytical thinking, problem solving, cross-functional collaboration, rapid prototyping, continuous learning

## Professional Experience

### AI Engineer

Spectrum Pure

Jun 2025 – Present

- Multi agentic ai framework for order management system
- Full end to end ai solution design implemented on n8n
- Working on building agentic workflows using langGraph and crew ai
- Multi services orchestration using docker and kubernetes
- experience with hosting ai solutions on aws services for always up production ready setup

### Software Engineer

Labyrinth Global Services

Jan 2025 – March 2025

- Designed and developed dynamic webpages with essential widgets, implemented custom logic using microflows, integrated databases through domain models, and connected external applications via REST APIs for seamless functionality

### Data Analyst

Forage - July 2024 – Oct 2024

- Completed a simulation focused on advising a client on customer targeting with the Data, Analytics & Modelling team. Assessed data quality and completeness in preparation for analysis. Analysed data to target high-value customers based on demographics and attributes. Developed dashboards to communicate findings with visuals.

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## Education

### Bachelor of Engineering - Artificial Intelligence and Data Science

-MJCET(Osmania University), Hyderabad | 2020 – 2024 | CGPA: 8.07

### Intermediate

- Sri Chaitanya Junior College, Hyderabad | 2018 – 2020 | SCORE:96%

### High School

- Sri Chaitanya High School, Hyderabad | 2013 – 2018 | GPA: 8.3/10

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## Projects

- **Multi-Agentic AI Ordering Assistant**:Designed a highly-scalable multi-agentic framework integrated with WhatsApp automation. Built with n8n for workflow orchestration, Evolution API, Google Gemini AI, Deepgram API, Pinecone Vector Database with RAG, LangChain for AI agent framework with memory management, and n8n DataTables for backend storage. The system processes multi-modal inputs while maintaining conversation context and order state. Deployed via Docker, Ngrok, EasyPanel, and AWS Lightsail for scalable orchestration, ensuring production-grade reliability, automation, and observability. Tech Stack: n8n, LLM Orchestration, RAG, Docker, EasyPanel, AWS Lightsail, ngrok, API's, Integration, automation.

- **Ultrasound Nerve Segmentation** : Developed a deep learning model for automated nerve segmentation in ultrasound images. Applied cutting-edge computer vision techniques to medical image analysis.  
Tech Stack: Python, TensorFlow, Keras, OpenCV, NumPy, Matplotlib
  - **Exactscore** : Automated the process of scraping, analyzing, and visualizing student performance data. It retrieves data on specified inputs and organizes it into an Excel spreadsheet streamlining the process for accurate and efficient result collection.  
Tech Stack: Python, Selenium (for web scraping), Pandas, HTML
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## Research Publications

- Novel Implementation of Exactscore: Result Analysis International Journal of Multidisciplinary Research and Growth Evaluation | Volume05, No. 57-65
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## Certifications

- Generative AI by Udemy
  - Prompting Essentials by Coursera
  - Machine Learning Certified by Internshala trainings
  - Data Analytics by Forage
  - Google Analytics by Skillbuild
  - Data Science by Developers Arena
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## Awards & Achievements

- Awarded 3rd prize in college-wide competition for innovative application and execution.
  - Runner-up in HACKREVOLUTION '23 hackathon conducted by E-CELL and CSI – MJCET
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## Leadership & Outreach

- IEEE SYSTEM MAN AND CYBERNETICS Operations | Head
  - COMPUTER SOCIETY OF INDIA MJCET Operations | Core Team
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**Languages known:** English | Urdu | Hindi | Telugu