

SYED ALI HUSSAIN

AI Engineer & Full Stack Developer

Islamabad, Pakistan | syedal6160@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

AI student and full stack developer who builds practical web apps, Python services, and LLM-powered tools. Research Intern at AIEYS and co-author of a published machine learning paper. Shipped live products including NovaBrief Tech and Araknet.tech, from data and APIs to deployment.

WORK EXPERIENCE

Research Intern

AI-Explain You Science (AIEYS)

| Oct 2026 – Present

- One-year research internship (offer letter from Prof. Dr. Inam Ullah Khan, Founder; Ref. AIEYS-ADMIN-1001, 15 Oct 2026).
- Contribute to collaborative AI and machine learning research with academic co-authors.

AI & Full Stack Developer

Independent Projects & Product Development

| Islamabad, Pakistan | 2024 – Present

- Build full-stack web apps and AI tools with Python (Flask, Django, FastAPI), Next.js, PostgreSQL, MongoDB, and Supabase.
- Integrate LLMs (Llama 3.3, Gemini, Claude API) into products for summarization, content generation, and automation.
- Own backend APIs, database design, scheduled jobs, and deployment, from the first idea to a live product.

TECHNICAL SKILLS

Languages	Python, C++, SQL, HTML, CSS
AI & LLMs	LLM Integration, Llama 3.3, Claude API, Gemini, Groq APIs, Prompt Engineering, Agentic Workflows
Automation & Agents	n8n, Web Scraping, Webhook Routing, SerpAPI, APScheduler, Google Places API
Full Stack & Backend	FastAPI, Django, Next.js, React, REST APIs, Tailwind CSS
Databases & Cloud	PostgreSQL, MySQL, Supabase, MongoDB Atlas, SQLite, Vercel, Cloudflare, Render
Tools	Git, GitHub, Linux, Production Deployment, Technical SEO

KEY PROJECTS

NovaBrief Tech AI News & Student Program Digest

[novabrief.tech](#) | [Source code](#)

Full Stack Developer | Built a Flask platform that collects AI news and student programs and uses Llama 3.3 through the Groq API to write summaries and prepare scheduled social media content. APScheduler runs the morning email digest and hourly database updates; PostgreSQL stores items and delivery records. Tech: Python, Flask, PostgreSQL/Supabase, Groq API, APScheduler, Tailwind CSS.

Araknet.tech Local Business Research Agent

[araknet.tech](#) | [Source code](#)

Full Stack Developer | Built a web app that searches local businesses by city and industry across Google Places, SerpAPI, and OpenStreetMap, tracks lead status, notes, and tags with CSV/JSON export, and creates editable proposal drafts for human review. Tech: Next.js, React, TypeScript, MongoDB Atlas, SerpAPI, Google Places API.

MY Mentore Personal AI Study Agent

Windows desktop app

Developer | Built a desktop app that turns a learner's goal and available time into a study plan linking lessons, quizzes, and project tasks, with optional Gemini help for explanations. Tech: Electron, React, Vite, Express, SQLite, Firebase, Gemini API.

RESEARCH & PUBLICATIONS

Detection of Brute-force Login Attempts Using Machine Learning

DOI: [10.31987/ijict.9.1.371](#)

Co-author | Iraqi Journal of Information and Communication Technology (IJICT), Vol. 9, No. 1, pp. 44–56, Apr 2026. Compared SVM and Gaussian Naive Bayes classifiers on authentication log data, with and without PCA; SVM reached 97.24% accuracy.

CERTIFICATIONS & COURSES

- Introduction to Modern AI — Cisco Networking Academy | 28 Jan 2026
- CS50's Introduction to Programming with Python — Harvard University | Aug 2026
- Crash Course on Python — Google / Coursera | Nov 2025

EDUCATION

Bachelor of Science in Artificial Intelligence (BSAI)

SZABIST University, Islamabad

Expected Graduation: 2029

Focus Areas

Artificial Intelligence • Machine Learning • Deep Learning