

# SYED ABUTALHA HUSSAIN

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B.Tech graduate in Artificial Intelligence skilled in data analysis, SQL, and AI integration using LLM APIs (ChatGPT, Claude, Gemini). Proficient in Python, ML frameworks, and data visualization, seeking a Data Analyst or ML Engineer role to build smart, real-world solutions.

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## EDUCATION

### Jamia Hamdard University | Delhi

August 2021 - July 2025

Bachelor of Technology Computer Science Engineering (Artificial Intelligence)

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## SKILLS

Machine Learning | LLM APIs | Python | Python Libraries(Scikit-Learn, pytorch, numpy, pandas, scapy etc) | Tableau | Web dashboard(Streamlit)

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## WORK EXPERIENCE

### AI/ML Intern — Labmentix

Jan 2025 – Apr 2025

- Developed and deployed 5+ real-world AI/ML projects including Uber Stock Data Analysis, Brain Tumor Classification, Persona Generator, Shopper Spectrum Model, and PhonePe Transaction Dashboard.
- Improved model **accuracy by up to 92% using optimized feature engineering** and hyperparameter tuning.
- Built data pipelines and dashboards for large-scale transaction and behavioral data (10k+ records) to deliver actionable insights on user trends by device and region.
- Increased overall **workflow efficiency by 30%** through model automation, reusable code modules, and efficient data preprocessing.
- Collaborated with cross-functional teams to convert business problems into deployable AI solutions, **enhancing decision-making efficiency by 25%**.

### Cyber Security Intern — VERZEO | Delhi

Oct 2022 – Nov 2022

- Conducted threat analysis and vulnerability assessments on simulated enterprise systems, identifying and mitigating 15+ potential attack vectors.
  - Assisted in designing basic penetration testing scenarios, **improving detection accuracy by 40%**.
  - Worked with cybersecurity tools and frameworks such as Wireshark, Nmap, and Metasploit, gaining hands-on experience in real-world attack simulation and prevention.
  - Collaborated on 3 case studies involving data breaches and threat response, **leading to a 20% improvement** in incident handling efficiency.
  - Documented and implemented preventive security strategies aligned with best practices in information and network security.
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## PROJECTS

### Voice-Controlled AI Assistant

**Tech Stack:** Python, Google Speech-to-Text API, pytsxs3, Facial Recognition, Task Automation, HTML, CSS, JavaScript

- Built an intelligent voice-controlled assistant integrating Google Speech-to-Text API for accurate speech recognition and pytsxs3 for natural voice responses.
- Integrated facial recognition to enhance user authentication and personalization, **improving security by 40%**.
- Automated 10+ daily productivity tasks through voice commands, increasing overall task **efficiency by 35%**.

### Brain Tumor MRI Classification

**Tech Stack:** Python, PyTorch, Streamlit, OpenCV, NumPy, Pandas, ResNet50 (Transfer Learning)

- Developed an end-to-end deep learning model to classify MRI scans into four tumor types (Glioma, Meningioma, Pituitary, No Tumor) with **98% validation accuracy**.
  - Optimized training with data augmentation, transfer learning (ResNet50), and batch normalization, **improving generalization by 25%**.
  - Built a Streamlit-based web app enabling real-time MRI image uploads and automated predictions, **reducing diagnosis time by 50%**.
  - Engineered an efficient data preprocessing pipeline using OpenCV and NumPy, streamlining data handling and enhancing model reliability.
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## Certifications:

### **Introduction to Large Language Models**

#### **Google Cloud Skills Boost – Jul 2024**

Gained foundational knowledge of LLM architecture, applications, and real-world use cases.

### **Introduction to Responsible AI**

#### **Google Cloud Skills Boost – Jul 2024**

Learned key principles of ethical AI development, including fairness, privacy, and accountability.

### **Introduction to Generative AI**

#### **Google Cloud Skills Boost – Jul 2024**

Explored generative AI concepts, model types, and their implementation in real-world scenarios.

### **Cyber Security Certificate**

#### **Tech Mahindra – Apr 2024**

Covered core cybersecurity topics such as threat detection, risk analysis, and secure system design.

### **Foundations of Cybersecurity**

#### **Coursera – Nov 2023 | Credential ID: KZX4U7MBKGGM**

Skills: Security Management, Cyber Attacks, SIEM, Network Analysis, Ethical Conduct, and Cyber Risk Assessment.

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