SYED ABDUL KAREEM AHMED

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EDUCATION

MJCET, Osmania University — Hyderabad, India
B.E - CSE (Artificial Intelligence & Machine Learning), **CGPA: 8.44/10** — **Sept 2021 – Jul 2025**
Narayana Junior College — Hyderabad, India
11th & 12th P.C.M, **Percentage : 97.8%** — **June 2019 - July 2021**

PROFESSIONAL EXPERIENCE

Software Development Intern | IHub-Data, IIIT-Hyderabad — **August 2025 - Present**
Project Title: Brain Computing Interface(OpenBCI) Research Undergoing for Publication
- Developed a Brain-Computer Interface system leveraging **OpenBCI Cyton+Daisy hardware and custom signal processing** to capture, analyze, and interpret human brain signals for device control
- Designed data pipelines to **collect, train, and store EEG data**, enabling adaptive learning and memory retention for future tasks. Protocols used are MI Data, P300, SSVEP.
- Forming the foundation for **robotic brain memory integration and autonomous decision-making**.

AI Project Intern | Infosys Springboard | LINK — **November 2024 - January 2025**
Project Title: AI-Driven B2B Lead Scoring & Account-Based Marketing (ABM) Recommendation System
- Built an AI-powered solution to enhance B2B lead scoring, improving conversion rates by **45%**
- Deployed insights into a Streamlit UI for stakeholder visualization, engagement, & decision-making.

PROJECTS

HealthAI | AI based Healthcare Platform | Next.js, React, Python, IPFS| LINK — **Mar 2025 - Jun 2025**
- Designed a full-stack Medcare, health analytics platform that serves patients and doctors.
- This system allows for secure digital health records, AI-driven diagnostics, and real-time consultations.
- Developed AI modules for symptom analysis across 6 diseases and image-based diagnosis using Machine Learning models, improving diagnostic precision and reducing manual workload.

IronBites | Full Stack Anemia Detection System | React, Flask, ResNet50 | LINK — **Feb 2025 - Apr 2025**
- Built a scalable full-stack healthcare web app using ResNet50 for image classification (97% accuracy)
- React-Typescript frontend,real-time camera capture & image upload, <2s response time.
- Applied ML pipelines & integrated Gemini chatbot for AI-assistance, improving engagement.

AeroGesture | Eye Gesture Controlled Virtual Mouse | OpenCV, PyQt5 | LINK — **Dec 2023 - Feb 2024**
- Designed a Computer Vision Application for disabled users to control mouse cursor using eye gestures.
- Executed real-time eye movement tracking using OpenCV, Dlib achieving **80%** overall accuracy.

SKILLS & INTERESTS

- Languages: Python, SQL, Java, HTML, CSS, JavaScript(basics).
- Computer Science Fundamentals: Data Structures & Algorithms, OOPS, Operating Systems, DBMS.
- AI & Machine Learning: ML Algorithms, Deep Learning, NLP, LLM, Gen AI, MLOps, RAG, Agents.
- Data Engineering: Data Analytics, Data Science, Data Visualization, Data Mining. Data-ML Pipeline.
- Frameworks & Libraries: Flask, TensorFlow, Keras, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn.
- Tools & Platforms: Git, MySQL, VS code, CursorAI, Jupyter Notebook, Linux, GCP, Oracle.

CERTIFICATIONS & ACHIEVEMENTS

- AI/ML/DL techniques | NIT-Warangal
- Oracle Certified Generative AI Professional
- Oracle Certified Data Science Professional
- Data Analysis with Python| freecodecamp.org
- Achieved 47 points in Google Arcade Cloud quest on GCP; received Google swags