Shaik Mohammad Anas

Undergraduate Computer Science Student

Disciplined and devoted Computer Science Undergraduate in his final year with a systematic and inquisitive approach to problem-solving. Adept at motivating self and others. A forward-thinking personality with an appreciative approach to learning about various technologies in the market. Particularly passionate about Data Science and Generative AI. Accountable and confident individual with strong leadership abilities.

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Work Experience

Data Science and LLMOps Intern   Jun – Aug 2024
Foulath: Digital Transformation

- Developed a data pipeline for a steel plant project, saving 20 days per month.
- Deployed a real-time CO_2 forecasting app and integrated PowerBI for insights.
- Implemented an LLM-based app to simplify visualizations and enhance decision-making for engineers.

Operations Research Intern   Jun – Aug 2023
Emirates: Revenue Optimization

- Implemented prediction model for Group Bookings Materialization, impacting multiple teams in the department.
- Developed KPI dashboards to support optimizing demand, pricing and inventory.
- Introduced new technologies for easing the process of the team.

Data Science Intern   Aug – Sep 2022
Cognernium: Data Science Team

- Enhanced skills in ML model development in the FinTech environment.
- Gained insights in the Finance and Microlending sector.
- Developed ML models to tackle real-world use cases in this sector.

Education

BITS Pilani, Dubai Campus   Aug 2021 - Present
B.E. Computer Science

Grade: 9.7/10
- Received Academic Excellence Award for securing First Rank in the batch (10 CGPA).
- Consistently awarded Academic Scholarship for scoring 9.5+ GPA every semester.
- Technical Head of Microsoft Tech Club.
- Hostel Representative, Student Council of BPDC.
- Part of Table Tennis Team of BPDC.

Delhi Public School, Nacharam   Batch of 2021
Senior Secondary School (CBSE)

Grade: 96.6%
- Awarded the Best Project in Annual CBSE Science Exhibition 2019 (South India Region).
- Received Academic Scholarships.

Patents

Harnessing Nanoparticles and AI to Address Agricultural Water Challenges with Innovations in Drought and Waterlogging Management
Combining Nano sand with AI-based irrigation boosts crop yields by 40% and enhances water efficiency in arid environments, offering a scalable solution for global agriculture.

Certifications

AWS AI Practitioner, Amazon Web Services
Deep Learning Specialization, Deep Learning.AI
Machine Learning, Stanford University

Relevant Skills

Programming	Python, Java, C, C++
AI	SkLearn, Numpy, OpenCV, TensorFlow, PyTorch, OpenAI, Meta AI, SciPy
Databases	MySQL, SnowflakeSQL, ChromaDB
Data Analysis	Pandas, Polars, Excel
Data Visualization	Plotly, PyGWalker, MatplotLib, Seaborn
Dashboards	PowerBI, Streamlit, Dash

Relevant Projects

Groups Materialization Prediction: Emirates
The Groups Materialization App predicts and analyzes group booking outcomes, providing insights to optimize strategies. Its user-friendly interface enables data-driven decisions for maximizing booking success. (Python, sklearn, scipy, plotly, Pandas, Polars, Dash, Streamlit)

Emirati Sign Language Translator
An innovative app was developed to translate English to Emirati Sign Language, enhancing accessibility for the UAE's deaf community. Advanced AI technologies were utilized to ensure relevant and accurate translations. (Python, OpenAI GPT, Streamlit, ChromaDB)

Optimizing CO_2 Emissions of Midrex DRP: Foulath
Time-Series Forecasting to optimize and reduce CO_2 emissions, incorporating and engineering multiple features, projecting emissions financially for cost analysis. An LLM based system was deployed which simplifies complex visualizations into effective findings in natural language, enabling engineers to access actionable insights. (Python, Meta Prophet, AWS, OpenAI, Pandas, Polars, Streamlit, PowerBI)