SYED DANISH ALI

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Portfolio website: View Portfolio

PROFILE SUMMARY

Aspiring AI/ML researcher with a keen interest in advanced studies or research-oriented industry roles in the field of AI, ML, and NLP. Recently completed a B.E. in Computer Science & Engineering (AI & ML) with strong experience in machine learning, natural language processing, data analysis, and full-stack development. Skilled in developing real-world applications and research prototypes using tools like Python, scikit-learn, Pandas, and Django.

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science & Engineering (Artificial Intelligence & Machine Learning)

Lords Institute of Engineering and Technology, Hyderabad | Completed June 2025

- Relevant Coursework: Machine Learning, Advanced Machine Learning, Deep Learning, Probability and Statistics, Artificial Intelligence, Data Science, Python Programming, Java Programming, Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, Internet of Things, Robotics Process Automation, Information Security, Mobile Application Development, Automata Theory, Discrete Mathematics, Scripting Languages.

- Projects:

1. *Evaluating Cancer Prediction Machine Learning Models*
2. *Identifying Hot Topic Trends in Streaming Text Data*

Diploma in Electronic Communication Engineering

Mahaveer Institute of Science and Technology, Hyderabad | 2022

- Relevant Coursework: Semiconductor Devices, Digital Electronics, Analog & Digital Communication Systems, Linear Integrated Circuits, Network Analysis, Microwave & Optical Fiber Communication, Industrial Electronics, Electronic Measuring Instruments, Microcontroller Programming, MATLAB, 8086 Microprocessor, C Programming, Computer Hardware & Networking, Engineering Mathematics, Communication & Life Skills.

- Project: Smart Highway Light with Auto Control System

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, ANSI SQL, HTML, CSS, JavaScript

- **Data Science & Machine Learning:** Supervised & Unsupervised Learning, Data Preprocessing, Data Visualization

- **Tools & Libraries:** scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

- **Databases:** MySQL, PostgreSQL

- **Development:** Front-end (HTML, CSS, JavaScript), Back-end (Python, PHP)

- **Platforms:** Windows, Ubuntu, macOS

- **Languages:** English, Hindi, Urdu

PROJECTS

1. Evaluating Cancer Prediction Machine Learning Models (B.E. Major Project, 2025)

- Explored the early detection of lung cancer by analyzing patient health data using ML techniques such as Random Forest, KNN, K-Means, SVM, and Decision Tree.

- Conducted comparative analysis of classification algorithms using evaluation metrics like accuracy, precision, recall, and F1-score.

- Highlighted the role of environmental and lifestyle risk factors (e.g., smoking, air pollution) in model interpretation.

- **Published in** *International Journal of Information Technology and Computer Engineering (IJITCE)*, ISSN: 2347-3657.

View Publication

- **Tech Stack**: Python, scikit-learn, Pandas, Matplotlib, Seaborn

2. Identifying Hot Topic Trends in Streaming Text Data (B.E. Minor Project, 2024)

- Built a real-time text stream analysis model to identify trending topics with 95% accuracy.

- Optimized algorithms to reduce processing time for trend identification by 25%.

- Technologies: Python, NLP, Data Processing.

3. La Liga Forwards Performance Analysis (2025)

- Conducted a comparative analysis of legendary La Liga forwards based on goals, assists, and titles.

- Developed a custom scoring system and visualized results using radar and bar charts.

- Technologies: Python, Pandas, Matplotlib.

4. Weather Scraper: Real-Time Weather Forecasting Web Application (2024)

- Created and hosted a full-stack web application to display real-time weather data using OpenWeatherMap API.

- Developed a responsive front-end and dynamic search suggestions using JavaScript and AJAX.

- **Technologies:** HTML, CSS, JavaScript, PHP, OpenWeatherMap API

5. Administering Information Retrieval Ranking with ML Strategies (Internship Project at DATAPOINT, 2023)

- Developed and implemented ranking models using SVM and PSO for document retrieval.

- Conducted comparative analysis of ID3, C4.5, Random Forest, and Gradient Boosting Trees.

- Used TF-IDF, Bag-of-Words, and LDA for evaluation.

- Technologies: Python, Django, scikit-learn, MySQL

INTERNSHIPS & INDUSTRY EXPERIENCE

Python Developer Intern - DATAPOINT Info Solution (Aug 2023 – Sep 2023)

- Developed Python-based applications with back-end data handling using ANSI SQL.

- Optimized data processing scripts, reducing analysis time by 30%.

- Contributed to front-end components using HTML, CSS, and JavaScript.

Customer Care Engineer (Apprenticeship) - Linkwell Telesystems Pvt. Ltd. (Feb 2022 - May 2022)

- Worked with EPOS systems, RFID applications, and smart card technology.

- Assisted in production optimization, reducing downtime by 10%.

ACHIEVEMENTS & EXTRACURRICULARS

- Successfully hosted and maintained a real-time weather forecasting website.

- Event Coordinator – Artigenz LIET (Dec 2022 – Dec 2024)

- Active contributor to open-source projects and tech blogging.

- Passionate about AI research, football, cricket, and video games.