Sidhart Sami

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Portfolio: sidhart-sami.vercel.app/

Summary

Passionate Computer Science undergraduate at FAST NUCES, Karachi, with a strong focus on Data Science, Machine Learning, and Analytics. I enjoy solving real-world problems through data, driven by the diversity of challenges and the opportunity to extract actionable insights. Experienced in building end-to-end pipelines — from raw data preprocessing to machine learning models and interactive visualizations. Certified in Data Science and Analytics by IBM and Google, and aspiring to pursue a Master's in the field to deepen expertise. I thrive on continuous learning and tackling new, data-driven problems every day.

Education

National University of Computer and Emerging Sciences (FAST-NUCES)
Bachelor of Science in Computer Science   2023–2027

Skills

- **Languages:** C/C++, Python, Bash/Shell, JavaScript, SQL

- **Frameworks/Libraries:** React, Next.js, Electron, Pandas, NumPy, scikit-learn, Seaborn, TensorFlow, SFML, Matplotlib

- **Tools:** Git, Tableau, MySQL, Streamlit, OpenPyXL

Licenses & Certifications

- **IBM Data Science Professional Certificate** – IBM   2025
  Covered Python, data visualization, machine learning, and applied capstone projects. Hands-on with Jupyter, GitHub, and Watson Studio. [Verify]

- **Google Data Analytics Professional Certificate** – Google   2025
  Training in data cleaning, SQL, R, and Tableau. Built portfolio projects in data visualization and statistical analysis. [Verify]

Projects

- **FAST NUCES Timetable Automation** – Python [Link]
  Automated timetable extraction from complex spreadsheets using Pandas, Streamlit, and OpenPyXL. Added search functionality and deployed an interactive web app.

- **SecureNet-App** – Python/FastAPI/React [Link]
  Real-time Network Intrusion Detection System (NIDS) combining ML and cybersecurity. Achieved 95%+ accuracy and 90%+ F1 score using Random Forest on UNSW-NB15 dataset. Features include live packet capture (PyShark), FastAPI backend, Electron + React dashboard, and attack classification across 9 categories.

Visit my GitHub for more projects: github.com/SidhartSami