

# KARAN PANWAR

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## PROFILE

Driven and detail-oriented Data Scientist/Analyst with a solid foundation in computer applications and currently pursuing a Master's in Computer Science from Anglia Ruskin University, Cambridge. Skilled in leveraging machine learning, data visualization, and statistical analysis to uncover insights and solve real-world problems. Passionate about turning complex data into actionable strategies, with hands-on experience in building predictive models, NLP solutions, and interactive dashboards. Recognized for excellent problem-solving, adaptability, and collaborative spirit. Actively seeking roles in dynamic IT environments where data can drive innovation and decision-making.

## EDUCATION

**Anglia Ruskin University, Cambridge, UK** **Sep 2024 - Present**

**Modules:** Machine learning in Finance, Machine learning in Imaging, Advanced web Solution, Semantic data and technologies, Reaserch Method, Major Project, Cyber security and AI case study.

**St.Xavier college Ahmedabad, Gujarat, India** **May 2021 - May 2024**

**Modules:** programming languages like C, C++, Java, SQL, Python, and PHP, alongside foundational knowledge in data structures, web technologies, and analytical skills.

**Project:** Collaborated with a team to develop a Project Tracking Website using React, Django, and MySQL, streamlining task management and enhancing team collaboration for a company based project.

## PROJECTS

- **Comparative Study of QNN vs CNN for Image Classification** (Research-Oriented, ML + Quantum Computing)
- **Project Tracking Web App** (React + Django + MySQL)
- **Cursor Control with Eye Tracking** (Human-Computer Interaction | Real-time Computer Vision)
- **Emotion-Based Music Recommendation System** (Computer Vision + AI Recommendation)
- **Stock Market Prediction System** (ML + Data Analytics)
- **Sign Companion** (Sign Language to Text) AI + Vision | Accessibility)
- **Cartoonizer** (Fun with Filters | OpenCV)
- **ChatApp** (Real-Time Messaging) WebSocket + JavaScript + Node.js/Socket.io
- **Weather App** (Python + Django) Web App | Real-time API
- **Email Spam Detector** (ML + NLP)

## SKILLS

**Data Science & Machine Learning:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras, ANN, CNN, LSTM

**Programming Languages:** Python, SQL (MySQL)

**Tools & Technologies:** Power BI, Jupyter Notebook, Google Colab, GitHub

**Frameworks:** React.js (Front-End), Django & Flask (Back-End)

**Web Development:** HTML, CSS, JavaScript, PHP

## CERTIFICATES

**Python for Data Science** (IBM)

**Data Analyst Certification** (oneroadmap)

**Data Analytics and Visualization** (accenture)

**Software Engineering** Job Simulation (JPMorgan Chase)

**Workshop on Cyber Security and Forensics**