

Anmol Madaan

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SUMMARY

A highly analytical and results-oriented professional with a BSc (Hons) in Computer Science, adept at navigating fast-paced, high-pressure environments. My drive for innovation is paired with a commitment to continuous learning and improvement, allowing me to adapt and excel. Known for delivering successful projects, I leverage strong problem-solving skills and effective time management to ensure excellence. I cultivate collaboration and empower team members to maximize collective strengths and achieve shared success, fostering a results-driven environment and building lasting partnerships.

EDUCATION

BSc (Hons) Computer Science

University of Bath, Bath, UK | 09/2019 - 07/2023

- Achieved a solid foundation in computer science principles, algorithms, and programming languages.
- Developed a comprehensive understanding of data structures, databases, and software engineering methodologies.

High School

The Indian High School, Dubai, UAE | 06/2007 - 05/2019

- Demonstrated a strong academic record and a well-rounded education.

CERTIFICATIONS

International Information System Security Certification Consortium (ISC2), USA

- Certified in Cybersecurity (CC) (Present)

Amazon Web Services (AWS)

- AWS Cloud Practitioner (Pursuing)

TECHNICAL SKILLS

Python • Java • Microsoft Excel • SQL • UI/UX Design • Git • CI/CD • Cryptography • Encryption • Machine Learning • Networking Concepts and Protocols • Figma • Docker

WORK EXPERIENCE

Data Analyst Intern

Abu Dhabi Commercial Bank, Abu Dhabi UAE | 07/2022 - 09/2022

- Spearheaded data extraction and analysis initiatives, leveraging Java programming to automate data extraction from raw text to Excel spreadsheets, reducing manual effort and improving data accuracy.
- Generated insightful graphical representations of analyzed data, enabling stakeholders to make data-driven decisions.

Data Processing Standalone Executable Project

Freelancing Project

- Created a standalone data processing executable by harnessing the capabilities of containerization with Nuitka and Python. Tailored custom scripts to meet client needs, allowing for streamlined uploading of spreadsheets and diverse functionalities that transform raw data into actionable CSV files.
- Developed intuitive backend scripts in Python and leveraged Tkinter to craft an engaging front-end interface, fostering seamless interaction with backend processes effortlessly.
- Delivered a robust solution that allows clients to effortlessly upload and process their Excel spreadsheets, boosting efficiency while also significantly elevating user experience.

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PROJECTS

Drone Parameter Optimization Dissertation

- Conducted in-depth research on the interplay between parameter variations, defining optimal ranges for a reinforcement learning model, resulting in significantly enhanced drone collision avoidance policy.
- Developed and rigorously tested the model within stringent timelines, demonstrating strong performance under pressure, adept problem-solving skills, adaptability, and effective time management.
- Utilized cutting-edge technologies such as Microsoft AirSim and Unreal Engine to create realistic simulations and validate the model's performance.

Natural Language Processing (NLP) Project

- Implemented an extensive NLP project for sentiment analysis, targeting the classification of IMDB movie reviews into positive and negative sentiments.
- Fed data into the algorithm to build comprehension and enable sentiment prediction, achieving an impressive accuracy score of 89%.
- Demonstrated strong proficiency in Python and its libraries for natural language processing and machine learning.

Entrepreneurship Group Project

- Collaborated on developing a comprehensive business model for a web app start-up, gaining invaluable experience in various stages of business model creation, achieving an impressive 86% score.
- Played a pivotal role in prototype design using Figma, creating intuitive and visually appealing user interfaces that significantly contributed to the project's success.
- Contributions recognized in the professor's feedback were instrumental in the group's overall project success, highlighting strong design skills and the ability to work effectively in a team.

SOFT SKILLS

Analytical Thinking • Problem Solver • Adaptability • Quick Learning • Time Management • Teamwork •
Collaboration • Creativity • Innovation • Leadership • Motivation • Effective Communication •
Project Management • Attention to Detail • Dependability • Flexibility

ADDITIONAL INFORMATION

- Holder of UK and UAE visas, enabling work in both regions.
- Possessing a valid UAE and International driving license.