Anmol Madaan

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SUMMARY

Dynamic and certified professional with a BSc (Hons) in Computer Science and a proven track record in cybersecurity, cloud computing, and project management. AWS Certified Cloud Practitioner and ISC2 Certified in Cybersecurity (CC), with expertise in cloud infrastructure, security assessments, and efficient data processing solutions. Proficient in Agile and Waterfall methodologies, with hands-on experience leading diverse technical projects. Known for analytical problem-solving, adaptability, and effective communication, I am committed to leveraging my skills and certifications to drive innovation and deliver impactful solutions in dynamic environments.

EDUCATION

BSc (Hons) Computer Science   **University of Bath, Bath, UK | 09/2019 – 07/2023**

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

CERTIFICATIONS

International Information System Security Certification Consortium (ISC2), USA

- Certified in Cybersecurity (CC)

Amazon Web Services (AWS)

- AWS Certified Cloud Practitioner

TECHNICAL SKILLS

Python • Java • MS Office • MS Project • SQL • Git • CI/CD • Machine Learning • Cloud Computing
Cybersecurity • Agile & Waterfall Methodology • Computer Networking • Docker • Linux • Trello

WORK EXPERIENCE

Cybersecurity Consultant   **Amrock Consulting Limited, UK | 05/2024 – 12/2024**

- Conducted comprehensive cybersecurity assessments for clients, identifying vulnerabilities and recommending actionable mitigation strategies.
- Assisted in deploying and managing security technologies, including firewalls and intrusion detection systems, while actively monitoring and analyzing security events.
- Supported incident response efforts, ensuring rapid resolution and minimizing impact on operations.
- Ensured compliance with regulatory frameworks and provided detailed reports and security awareness training to enhance overall organizational security.

Data Processing Standalone Executable Project   **BailoHQ, Dubai, UAE | 02/2024 – 04/2024**

- Led the development of a standalone data processing application using Python and Nuitka, employing Agile and Waterfall methodologies and managing tasks with Trello to ensure timely project completion.
- Collaborated with clients to gather and refine requirements, creating custom scripts that streamlined spreadsheet uploads and automated data transformation into actionable CSV files.
- Developed intuitive backend scripts in Python and a user-friendly interface with Tkinter, providing clients with an efficient, seamless data-processing experience that met project goals.

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Data Analyst Intern   **Abu Dhabi Commercial Bank, Abu Dhabi, UAE | 07/2022 – 09/2022**

- Coordinated and led a data extraction and analysis project, automating data processing workflows with Python to streamline data transfer from raw text to Excel, significantly reducing manual effort and enhancing accuracy.
- Collaborated with stakeholders to understand data needs and align project goals, delivering graphical data insights that supported data-driven decision-making.
- Monitored project milestones and progress to ensure timely delivery, adapting methods based on feedback and optimizing processes for improved efficiency.

Tech Support Engineer   **Volunteer, SOTS, Haynes Park, UK**

- Coordinated the deployment of customized Windows systems across multiple devices, managing project stages from setup to final installation. Tracked progress and resolved issues efficiently to meet tight timelines.
- Provided end-user support for Office 365 and network troubleshooting, collaborating with team members to address user needs and ensure minimal downtime.
- Maintained a proactive approach in a fast-paced environment, prioritizing tasks and leveraging strong communication skills to keep stakeholders informed of project status and issue resolutions.

PROJECTS

Drone Parameter Optimization Dissertation

- Conducted in-depth research on the interplay between parameter variations, defining best 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 innovative 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 ability in Python and its libraries for natural language processing and machine learning.

Entrepreneurship Group Project

- Collaborated on creating a comprehensive business model using SWOT analysis and Business Model Canvas, ensuring alignment with project goals. Contributed to a successful project score of 86%.
- Led the design and development of the web app prototype in Figma, focusing on user-centric design principles to create an intuitive and visually appealing interface, significantly enhancing user experience.
- Managed project timelines and deliverables using Waterfall methodology, coordinating tasks through Trello and maintaining team communication via MS Teams to ensure efficient execution and timely completion.

SOFT SKILLS

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