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Professional Summary

CAREER PROFILE

Dynamic and detail-oriented Data Analyst with a strong foundation in Python, data analysis, and quantitative problem-solving. Passionate about leveraging computational and analytical expertise to solve complex problems in fast-paced environments. Eager to contribute to Tibra's innovative trading strategies while enhancing skills in financial markets and algorithmic trading systems. Motivated to deepen expertise in proprietary trading technologies.

KEY SKILLS

Programming Expertise: Advanced proficiency in Python with hands-on experience in data analysis, machine learning, and automation. Skilled in React for developing scalable web applications.

Quantitative Problem-Solving: Skilled in analysing and optimising large datasets, reducing operational inefficiencies.

Algorithmic Thinking: Knowledge of data structures, algorithms, and optimisation techniques.

Analytical Tools: Skilled in SQL and Power BI for creating dashboards, reporting, and data-driven decision-making.

Project Management: Proven ability to manage end-to-end projects with high precision and tight deadlines.

Eager Learner: Strong appetite for learning new technologies, including financial market theories.

EDUCATION

Master of Data Science Mar 2023 - Oct 2024

Charles Darwin University, Sydney, Australia, GPA - 6.35 /7

Bachelor of Science in Information Technology GPA - 83

Tribhuvan University, Kathmandu, Nepal

PROFESSIONAL EXPERIENCE

Data Analyst Jan 2024 – Jun 2024

iBuild Building Solutions, Victoria, Australia

Analysed datasets of over 100,000 records, ensuring 99

Developed automated reporting systems using Python, streamlining workflows and reducing processing time by 15

Designed Power BI dashboards to improve visibility into key metrics, enhancing operational decision-making.

Collaborated with cross-functional teams to optimise inventory tracking systems and solve discrepancies in real time.

Data Insight Analyst Apr 2023 - Nov 2023

Property Console, Sydney, Australia

Utilised Python and SQL to identify patterns in large datasets, contributing to strategic business insights.

Created custom dashboards using Power BI, reducing reporting time by 30

Conducted ad-hoc analyses to uncover actionable insights, improving response times by 20

Delivered clear and concise reports to stakeholders, enabling data-driven decision-making.

UNIVERSITY PROJECT

Thesis: Optimisation of Yolov8n Model for Real-Time Corrosion Detection (Grade: 89/100)

Reduced model size by 11.39

Demonstrated fine-tuning strategies achieving a minimal 7.43

Applied findings to enhance model performance using drones and edge devices.

Heart Attack Risk Prediction (Grade of 37/40) Oct 2024

Implemented logistic regression, random forests, and deep learning models to predict heart attack risks.

Addressed imbalanced datasets using undersampling techniques to enhance prediction reliability.

Presented findings through clear, data-driven visualisations to support decision-making.

CERTIFICATIONS

SQL, LinkedIn Learning

Google Analytics, Skillshop, Google

Education

- Master of Data Science - Charles Darwin University (2024)
- Bachelor of Science - Computer Science

Experience

- Data Analyst at iBuild Building Solutions (2024)
- Data Insight Analyst at Property Console (2023)

Skills

- Python
- Machine Learning
- SQL
- Power BI
- React
- Data Analysis