Siva Kumar

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LinkedIn | Github | Master Resume

PROFESSIONAL SUMMARY

Recent Master of Information Technology graduate from UNSW with strong foundations in database systems, data analytics, data engineering, software development, and AI tools and techniques. Skilled in Python, SQL, Computer Vision, Natural Language Processing and big data technologies (Hadoop, Spark), with hands-on project experience in developing data pipelines, analytical tools, and predictive models. Currently seeking associate, junior, or internship opportunities in data science to contribute effectively and continue professional growth.

EDUCATION

University of New South Wales (UNSW)

Sydney, Australia

Master of Information Technology in Database Systems

Feb 2023 – Feb 2025

• Core Courses: Data Structures and Algorithms, DBMS, Data Services Engineering, Information Retrieval and Web Search

Singapore University of Social Sciences (SUSS)

Singapore

Bachelor of Engineering in Electronics (Honours)

Jan 2015 – Jan 2020

• Core Courses: Object Oriented Programming, Engineering Economic Analysis, Principles of Project Management

CERTIFICATIONS

Lithan Academy Pte Ltd

Singapore

SAP – ERP

Apr 2019 – Jun 2019

- IT-DE-405S-1 Develop proof of concept
- IT-RG-401S-1 Determine business expectations and needs
- ICT-PMT-4002-1.1 Programme Management
- ICT-SNA-4006-1.1 Change Management

PROJECTS

- Car Insurance Risk & Age Prediction (Scikit-learn & SMOTE)
 - 10K+ records pipeline with SMOTE—MSE < 95 for age, macro F1>0.51 for risk, 20% better customer segmentation.

SKILLSET

• **Programming**: C, C++, VHDL, Python, Rust, Data Structures & Algorithms

- Libraries: NumPy, Matplotlib, NLTK, Pandas, Keras, PyTorch, TensorFlow, OpenCV, Scikit-Learn, Seaborn
- **DBMS**: SQL, MySQL, PostgreSQL, PL/pgSQL, Query Optimization, Indexes, Views, Triggers, Custom Types
- ML & DL: CUDA, SVM, Decision Trees, Random Forest, K-Means, PCA, CNN, RNN, LSTM, Transformers, PPO, DQN
- Computer Vision & NLP techniques
- Tools: Docker, Anaconda, GitHub, Jira, Office 365, Adobe CS
- **OS**: Windows, Linux (Ubuntu), Shell

WORK EXPERIENCE

| Company | Location | Job title | Duration |
|---------------------|---------------------|-------------------|----------------------|
| Sportscraft | Sydney | Sales Consultant | April 2022 – Present |
| Gusto da Gianni | Brisbane | Kitchen Hand | 2020 – 2022 |
| Various Farms | Bundaberg, Atherton | Picker, Farm Hand | 2020 – 2022 |
| Bounce Hostel | Cairns | Housekeeping Crew | 2020 – 2021 |
| City Backpackers HQ | Brisbane | Member | |
| Challenger Pte Ltd | Singapore | Sales Assistant | 2018 – 2019 |
| Mohamed Mustafa | Singapore | Sales Assistant | 2016 – 2019 |
| Samsudin | | | |

VOLUNTARY WORK

APG and Co Pty. Ltd. Sydney, Australia

IT Support April 2022 – Present

OTHER DETAILS AND REFERENCES

English Language Skill: Expert IELTS Band 9.0

Visa: Subclass 485 – Temporary Graduate Work Visa. No restrictions on working hours.

References: Can be provided on request.

Availability: Available to start work immediately.