

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 analytics 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
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PROJECTS

- **Global Land Use Ratio Analysis Tool** (Python & CSV)
 - Developed functional-programming Python tool to analyze World Bank CSV datasets, showing countries with largest agricultural-to-forest land ratio increases.
 - Added input validation, lexicographic tie-breaking, clean file handling, and exception control—improving data accuracy & reliability by ~35%.
- **University Data Querying and Analysis** (SQL & PL/pgSQL)
 - Created 10+ views and 2 PL/pgSQL functions for student/courses/staff analysis on MyMyUNSW DB—100% correctness, <2 s query time.

- Reusable functions for grade distribution and staff traceability—improving resource utilization and risk assessment by 35%.
- **Job Market Intelligence Pipeline** (Pandas, Web Scraping & Visualization)
 - Built Pandas+Matplotlib pipeline combining 3 scraped datasets (3.7K job listings) to compute adjusted salaries & cost-of-living indices with 90% geographic match.
 - Visualized salary trends across 40 countries & 4 levels—driving a 30% uptick in targeted talent-acquisition strategies.

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
- **Big Data:** Hadoop, Hive, MapReduce, Spark, Distributed Computing, Shell Scripting
- **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 City Backpackers HQ	Cairns Brisbane	Housekeeping Crew Member	2020 – 2021
Challenger Pte Ltd	Singapore	Sales Assistant	2018 – 2019
Mohamed Mustafa Samsudin	Singapore	Sales Assistant	2016 – 2019

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.