

VENKATA VISHAL KOTARI

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OBJECTIVE

As a Casual Academic at The University of Sydney, I have a strong passion for AI and data analytics, particularly in creating sustainable solutions.

EDUCATION

Master of IT/IT Management, The University of Sydney Expected 2025
Relevant Coursework: Advanced Data Models, Cloud Computing, Visual Analytics, Project Management

Bachelor of Computer Science, Osmania University 2018 - 2022
Relevant Coursework: Data Structures and Algorithms, Database and systems, Data Science, Finance

SKILLS

Technical Skills	C++, Java, Python, SQL, Git, SAP, Tableau, Figma, Excel
Soft Skills	Leadership, Teamwork, Management, Effective Communication
Languages	English, Hindi, Telugu

EXPERIENCE

Casual Academic July 2024 - Present
The University of Sydney *Sydney, NSW*

- Conducted tutorials and facilitated group discussions to promote collaborative learning and critical thinking.
- Evaluated and provided detailed feedback on student assignment reports, ensuring comprehension and improvement.
- Addressed student queries, offering clarifications on course material to improve learning experience.

Co-Secretary July 2024 - Present
Sydney University Postgraduate Representative Association *Sydney, NSW*

- Organized meetings with executives, staff and councillors to ensure effective communication.
- Recorded and distributed meeting minutes and keeping official records and documents.
- Handled internal and external communications, responded to inquiries and ensured compliance with university policies.

Student Consultant Jan 2024 - Feb 2024
Practera *Remote*

- Worked with Dynamic Aspect to enhance audience engagement and conversion rates through analytical trends.
- Developed and implemented data driven strategies to expand the client base and drive business growth.
- Focused on increasing engagement and conversion metrics to achieve project objectives.

PROJECTS

Machine Learning Classification Model (Diabetic Retinopathy). Developed and fine-tuned a deep learning model for predicting Diabetic Retinopathy, using ImageNet for feature extraction and Fastai's ImageItemList for data augmentation. Trained on over 35,000 fundus images in the cloud, achieving an AUC of 90.9% and a Flask-based GUI for real-time predictions and interactions.

Data Analysis on Unicorn Companies. Examined trends and fluctuations in funding amounts across industries and presented using tableau. Identified clusters among unicorn companies based on shared investors using python for analysis. Gained insights into the financial landscape and growth patterns of industries over time using ML.

US Consumer Finance Complaints Dashboard. Created an interactive tableau dashboard using effective visualization techniques. Worked on data processing, researched on design fundamentals and creation. Found insights into customer complaints across various categories.

EXTRA-CURRICULAR ACTIVITIES

- Received multiple grants, including the Student Life grant and SUPRA Social Impact grant and hosted diverse and engaging events, contributing to a vibrant student community.
- Volunteered with various clubs and organizations such as the UN Society, SUPRA, and USU, supporting community initiatives and events.
- Interests include trail walking, ultimate frisbee, podcasts, and music.

LEADERSHIP

- Secretary at SUPRA (Sydney University Postgraduate Representative Association). Managing records, documents and facilitating communication with university and student bodies. Coordinating events, scheduling and enhancing student participation in the campus.
- Postgraduate Advisor for Faculty of Engineering at the University of Sydney. Provided support to students starting their studies in the Faculty of Engineering at the University of Sydney. Organized events and networking sessions to help students connect with each other and build a supportive community.
- As a Core Member of the Competitive Programming Club for Google Developer Student Clubs in Bachelors. Assisted students in learning Python and data structures, enhancing their programming skills. Planned and managed online and offline events, including workshops for the GDSC club. Fostered a collaborative peer-to-peer learning environment that fostered knowledge sharing and teamwork.