

Shreya Kothari

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EDUCATIONAL BACKGROUND

Bachelor of Advanced Computing (Hons)

University of Sydney, AU | July 2024

First Class Honours

Major: Data Science | Minor: Psychology

International Baccalaureate Diploma Programme (IBDP)

Neerja Modi School | May 2020

Graduated with STEM honours award,

Distinction Diploma score of 41/45

PROJECTS

MASCoT: Multi-Aspect Sentiment Analysis using Contrastive learning and Temporal insights

Honours | June 2023 - July 2024

- Developed a novel framework for multi-aspect sentiment analysis to capture nuanced sentiment shifts across aspects.
- Implemented innovative techniques achieving competitive performance (74.5% accuracy) on the challenging MAMS dataset.

Psychology and Data Science Research Study

USyd Dalyell Unit | Feb'22 - Aug'22

- Modified and adapted the Rescorla Wagner reinforcement learning model in RStudio
- Conducted training tests to map and predict illusory causation in regard to herbal medication

University of Sydney Honours graduate with a Major in Computational Data Science and a Minor in Cognitive Psychology. Specialized in natural language processing and deep learning and have professional experience in DevOps and software engineering. Proficient in implementing robust CI/CD pipelines and leveraging infrastructure-as-code practices.

WORK EXPERIENCE

Software Engineer: Full Time

Sonic Healthcare | Aug 2022 - Present

- Developing a centralized task management system, SPOCK, using InterSystems IRIS, and integrating Asana and Jira via RESTful APIs to enhancing cross-team collaboration
- Configure and deploy custom CI/CD pipelines using Azure DevOps, Ansible, and Octopus Deploy. Implement infrastructure-as-code with Golang for rapid, consistent client onboarding
- Maintain comprehensive product documentation using Tanium and PocketQuery on Confluence, while also contributing to process improvement initiatives to boost overall team productivity

Location Manager & Lead Educator

StemLook | Jan 2022 - Present

- Manage operations for two StemLook locations (Zetland and Castle Hill), overseeing STEM education programs in Python, Java, AI, Robotics, Unity Game Design, and coding platforms like Minecraft and Roblox
- Spearheaded curriculum implementation and strategic marketing initiatives, boosting student enrollment by 25% while maintaining excellence in STEM education and parent satisfaction across both centres

Casual Academic (Tutor) - COMP5310

University of Sydney | Aug 2024 - Present

- Lead weekly tutorials for COMP5310 (Machine Learning and Data Mining), facilitating hands-on learning and providing comprehensive student support
- Collaborate with unit coordinator to bridge faculty-student communication