Dhivyan Sureshkumar

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LinkedIn · GitHub · Portfolio

Education

Monash University
Bachelors of Commerce and Computer Science | Business Analytics and Advanced Computer Science
Expected July 2025

Experience

Canva *Data Scientist Intern* Dec 2023 - Feb 2024

- Conducted exploration of Canva's integration with Google Workspace, focusing on defining and understanding the user base and their interaction with Canva
- Developed models to create a detailed analytics dashboard using Snowflake and Mode Analytics to track user behaviour, contributing to strategic insights for user engagement and retention

WSP Digital *Software Engineer Intern* Feb 2024 - Present

- Build, test and deploy Django / Python web applications to global clients.
- Responsive web development, through the use of modern CSS frameworks such as Bootstraps and Foundation

Deloitte *Data Analyst Intern* Jun 2023 - Jul 2023

- Leveraged advanced SQL, Python, and R queries to execute comprehensive data analyses in wage remediation, transforming raw data into valuable insights
- Executed comprehensive data validation processes to guarantee accuracy and reliability in data extraction

Projects

Car Insurance Fraud Detection Model *Excel, Statistical Modelling & Analysis*
Developed a comprehensive fraud detection model for a mock insurance company to accurately classify claims based on their potential for fraud, using initial claim documentation. Conducted exploratory data analysis employing graphical techniques and data summarization, leading to the creation of a multiple regression model with carefully selected independent variables.

Rogue-like Elden Ring inspired game *Java, Object Oriented Programming*
Developed a text-based rogue-like game inspired by the popular fantasy game Elden Ring, leveraging similar names, characters, items, and concepts to create an engaging and immersive gaming experience. Designed and implemented core functionalities using object-oriented programming and design principles.

Adversarial Image Generation for Artificial Neural Network's *Python, Image Processing*
Developed an algorithm to generate adversarial images capable of misleading artificial neural networks (ANNs) in image classification tasks. Implemented pixel manipulation techniques to minimally modify input images, causing the ANN to misclassify the adversarial image to analyse the vulnerability of ANNs to adversarial attacks.

Community & Leadership

High Performance Computing Team Member Monash DeepNeuron [Apr 2023 - Present]
At DeepNeuron, I actively contribute to the development of high-performance computing (HPC) solutions, focusing on optimizing program performance and maximising the utilisation of large-scale computational resources through the use of parallel programming.

Director of IT Impetus Consulting Group [Dec 2023 - Present]
In my role as Director of IT at Impetus, I oversaw the technological direction of the organisation. This included conducting interviews and representing Impetus at industry events, engaging with multiple companies to foster collaborative relationships.

Senior Mentor - Events Manager Monash Business School Peer Mentoring [Jan 2023 - August 2023]
As a senior mentor at Monash Business School, I collaborated closely with program staff and fellow mentors to create a positive and engaging experience for both mentees and mentors. My efforts included promoting the Peer Mentoring program through various channels, which led to increased awareness and participation within the school community

Skills

Programming Languages:	Python, Java, C, SQL, R
Development Techniques:	Object-Oriented Programming, Version Control (GitHub), Data Analytics