

# Priyam Dalmia

 [Github](#)  [Mail](#)  [Portfolio](#)

**Software Developer.** *I am a qualified programmer with a keen interest in software development and data science. I bring 4+ years of experience from both the industry and the academia. I have worked in roles as a cloud developer, data scientist and an academic researcher. My skill-set includes Python and AWS cloud development, large scale data engineering, linux administration and R/Excel data analysis. I pursue active research in subjects like machine learning and RL, decision making and optimization, game theory and economics.*

## RESEARCH & PUBLICATIONS

**General causal estimation for cooperative multi-agent reinforcement learning.**

| *University of Melbourne, J. West, P. Dalmia. (accepted!)*

**AJCAI 2024**

**The RAS Battle: Tactical Adaptability as a Capability to scale combat mass.**

| *Australian Defence Force, K. Tollenar, J. Keane, J. West, P. Dalmia.*

Jan. 2024 – ongoing

**An experiment design protocol for reproducible reinforcement learning.**

| *University of Melbourne, J. West, P. Dalmia. (submitted)*

Oct. 2023 – Aug. 2024

## EXPERIENCE

### Research Assistant

| *University of Melbourne, Melbourne.*

Oct. 2023 – ongoing

- Published work on experimental design and engineering problems in AI through the support of multiple research grants; actively conducted workshops and lectures in the same, utilizing advanced statistical tools and HPC tech.

### Software Developer

| *1kind Pvt. Ltd., Melbourne.*

Aug. 2022 – Sep. 2023

- Led the development of an AWS-hosted trading platform, that included a back-end trading and hedging engine, a front-end dashboard and a data analytics pipeline; followed best practices around test driven development and CI/CD with Python.

### Jr. Data Scientist

| *Probe Information Services, India.*

Jan. 2018 – Jan. 2020

- Collaborated on the development of large-scale ETL pipelines for financial services, abstractive text summarization models, and predictive analytics for credit risk assessment.

### Data Science Intern

| *Melbourne Data Analytics Platform, Melbourne.*

Jan. 2022 – July 2022

- Mentored by multiple senior researchers; assisted in the development of large data science research projects developing and exposure to academic writing, publishing, empirical research and communication.

## EDUCATION

### Masters in Data Science

| *University of Melbourne, Australia. (GPA: 3.8/4.0)*

Feb. 2020 – July 2022

### Bachelor of Mechatronics and Robotics Engineering

| *Manipal Institute of Technology, India. (First Class with Distinction)*

Jan. 2016 – Dec. 2019

## SKILLS

**Programming** - Python, R, SQL, Bash, dbt.

**Versioning** - Git/Github, DVC, wandb.

**Cloud Computing** - AWS, Lambda, S3, EC2, RDS, Ansible, Nova, Swift.

**Data Engineering** - Spark, Hadoop, Kafka, Airflow.

**CI/CD** - Github Actions, travis CI, AWS CloudFormation, Makefile, tox.

**Others** - Ray, Docker, Kubernetes, Jupyter, LaTeX, Excel.

**Joseph West**

| *Associate Dean, University of Melbourne. (joseph.west@unimelb.edu.au)*

**Daniel Kovacs**

| *CTO, 1kind Pvt. Ltd.. (daniel.kovacs@1kind.com)*