

Shreeshail Bhatta

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EDUCATION

University of Adelaide

Bachelor of Computer Science(Advanced) [GPA-6.917]

Adelaide, SA

2023 – 2025

EXPERIENCE

Australian Institute of Machine Learning

August 2024- current

Student Researcher

- Exploring various concepts in machine learning, with focus on medical machine learning.
- Working under Dr. Dhani Dharmaprani and with Women and Children Hospital to detect abnormalities in X-ray images.

Budi

January 2024- current

Software Engineer

- Lead the front end team to develop a sophisticated platform to support pre-seed campaign.
- Utilized React and Next.js to develop the platform, integrating AWS services and APIs to support complex operations.
- Optimised and rewrote backend AWS architecture for improving overall efficiency of the platform.

PROJECTS

Arrhythmia prediction model | Python, scikit-learn, jupyter, scipy, numpy

August 2024-November 2024

- Developed a novel feature extraction technique for arrhythmia detection using Dynamic mode decomposition.
- Utilised various wave transformation techniques to clean and extract features from dataset.

Pomodoro Spotify Player | HTML, CSS, Typescript, React, Next.js

September 2024-ongoing

- Developed minimal pomodoro clock website with spotify player to enhance productivity with extra features such as to-do list and calendar integration.

Mahjong Bot | Python, discord.py, MongoDB, Docker

May 2024

- Developed Discord App that can handle storing scores of games of the Mahjong Club in a database.
- Manages 50 active club members and is hosted in a Docker container on a virtual machine.

Facial Recognition System | Python, scikit-learn, PyTorch

November 2024-ongoing

- Developing application that can recognise facial features for identification of individuals.
- Integrating with motion tracking camera to tracks individuals in a given room.

VOLUNTEERING

Society of Quantitative Analysis and Data

December 2023- current

Events Manager

- Facilitating hosting events focused on Quantitative trading and data science concepts.
- Organised first ever datathon in South Australia with industry representatives from IMC and PWC, focusing heavily on key data science concepts.

Computer Science Club

October 2023- current

Events Team

- Facilitating hosting of computer science events with industry partners and academic experts.
- Organised and presented a workshop for pandas and helped in organising events such as industry nights and CTFs

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, Typescript, HTML, CSS, R

Frameworks: PyTorch, React, Next.js, AWS

Developer Tools: Git, Docker, VS Code, Jupyter Notebook, Visual Studio

Libraries: pandas, NumPy, Matplotlib, scikit-learn, OpenCV