Adityam Ghosh

Auckland, New Zealand

+64273471319 | adityam.ghosh@gmail.com | https://www.linkedin.com/in/adityam-ghosh/

**PROFILE**

I am a highly motivated Machine Learning Engineer with 2.5+ years of experience, pursuing a master´s in Data Science at the University of Auckland. I specialise in developing and fine-tuning Large Language Models and Vision Models. I have strong analytical skills and stay up-to-date with the latest research in the field. In my free time, I enjoy gaming, which has taught me valuable skills in strategy and teamwork that I apply to my work.

**KEY SKILLS**

* Teamwork
* Project Wireframing
* Requirement Understanding
* Good communicator

**WORK EXPERIENCE**

**University of Auckland Micro internship Consultant | Signal Corporation Limited Jun 2022 to Jul 2022**

Signal empowers companies to leverage online information to identify and mitigate emerging threats in real-time.

* Define the algorithms based on the SOTA NLP algorithms.
* Build the project wireframe from scratch.
* Validate the test results.
* Managed the team as I was the team leader.
* My team and I were awarded a highly commended certificate for the June 2022 University of Auckland Micro-Internship.

**Machine Learning Engineer | HEAL Software Inc. May 2021 to Feb 2022**

Established in Santa Clara, CA and engineered in Bangalore, India, we are pioneers in Preventive Healing solutions and Autonomous IT operations. With a grand vision for the future, we developed HEAL – a software that uses AI to study your business’ IT systems and, through predictive anomaly detection, anomaly-linked healing triggers and unified causation, manages to detect and prevent routine system failures before they even happen. Removing the need for outsourcing IT specialists and employing additional solutions, HEAL makes operations run smoother and allows you to focus your time, energy and money on other aspects of your business.

* I worked on anomaly detection algorithms that could detect anomalies in the data online and offline.
* I worked on a log-entity/phrases extraction tool to extract custom log entities/phrases from the company´s product log.
* I worked on a solution recommendation algorithm that could generate IT solutions for given raised IT tickets.
* I led a team of interns, helping them understand how to build anomaly detection algorithms for time-series data and how to deploy them on a cloud-based system.
* Reduced the false positive alarms of logs significantly by the proposed anomaly detection algorithm.
* Helped identify reasons why the system crashed by the proposed log-entity tool.

**Machine Learning Engineer | iMerit Technology Services May 2019 to Apr 2021**

iMerit turns raw information into high-quality structured data for machine learning and artificial intelligence applications. Our full-time workforce has domain knowledge and expertise in data labelling, extraction and enrichment for Computer Vision, Natural Language Processing and many other forms of content. Let’s get started today!

* I designed algorithms that could measure the accuracy of a human annotation against a given ground truth.
* I also created applications to detect objects in an image.
* Helped the workforce increase their precision of data annotation by a significant amount.

**EDUCATION & QUALIFICATIONS**

**University of Auckland - Master`s degree** Foundations of Machine Learning, Advanced Machine Learning, Linear Regression, Advanced Linear Regression, Computation Statistics, Professional Skills for Statisticians 02/2022-Present

I studied the foundations of Data Science and how to apply them in real life datasets. Along with learning Machine learning, my statistics classes also taught me experimental designs and different model inferencing.

**St. Xavier's College - Bachelor`s degree** in Digital Electronics, Computer Architecture, C/C++ Programming, JAVA Programming, Computer Graphics, Electrical Physics, Real Analysis, Numerical Computation, Graph Theory, Linear Programming 06/2016-01/2020

**ADDITIONAL INFORMATION**

Languages – Bengali; English; Hindi

IT Skills

* Python
* PyTorch
* Machine Learning
* Deep Learning
* LLM training and fine-tuning
* Statistics
* ONNX
* Cloud deployment
* Docker

**INTERESTS**

Gaming, Writing blogs, Reading research paper

**REFERENCES**

Atri Mandal | ML Architect @ Atlassian | IEEE Senior Member | ex IBM Research, ex-Yahoo! | MS(Comp. Sc)-UC, Irvine