NEERAJ ANAND

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EDUCATION

- **Indian Institute of Technology (ISM)** — Dhanbad, India
  Integrated Master of Technology in Mathematics and Computing; OGPA: 7.80/10 — *Nov, 2020 - Present*

- **Delhi Public School** — Supaul, India
  Intermediate; Percentage: 90.2% — *April, 2018 - April, 2020*

EXPERIENCE

- **Transmute AI** — Remote
  Research Intern — *May, 2022 - Present*
  - **Binarization:** Currently working on making neural networks efficient by using Binarization.

PUBLICATIONS

- **MixBin: Towards Budgeted Binarization** — Paper

PROJECTS

- **G2Net:** The objective of this Kaggle competition was to identify continuous gravitational wave signals. We designed a highly sensitive model capable of detecting faint but persistent signals produced by rapidly rotating neutron stars amid noisy data. G2Net-code

- **Clock-O-Mentia:** This project aims to build an app for diagnosis of Dementia given the picture of a hand-drawn clock. Trained Deep Learning models on the publicly available NHATS dataset to predict the severity of Dementia. Clock-O-Mentia-code

- **Optical Pen:** A combined ML and IoT project which aims to provide a surface independent stylus pen that can convert written graphics into text using ML Model. Optical-Pen-code

- **Rider Driven Cancellation Prediction:** Given the order and rider details, the challenge was to create a model that can predict rider-driven cancellation in advance (i.e. before getting marked as cancelled or delivered). Rider-Pred-code

PROGRAMMING SKILLS

- **Languages:** Python, C++, C
- **Dev Tools:** VSCode, Jupyter
- **Libraries:** Pytorch, Numpy, OpenCV, Scikit-Learn

ACHIEVEMENTS

- Kaggle Competitions and Notebooks Expert
- Selected in Top 50 among 20,000 participants in Samsung's Solve for Tomorrow
- Secured Silver Medal (top 5%) in Kaggle competition named 'Ubiquant Market Prediction'
- Secured Bronze Medal (top 10%) in Kaggle competition named 'G2Net Detecting Gravitational Waves'
- Second position in Takshak 2021 - hackathon organised by IIT Dhanbad.

POSITION OF RESPONSIBILITY

- **Senior Machine Learning Team Member**
  Official Coding and Cyber Club, IIT Dhanbad — *2020 - Present*