ARCHAN GHOSH

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in archanghosh   🐙 archanghosh

EXPERIENCE

Junior Data Scientist
Tata Consultancy Services

📅 Nov 2021 – Present   📍 Kolkata, India

- Creating an ensemble of Time series forecasting on large scale data and use the best possible combination in that.
- Created multilingual translation tool for use-cases in medical domain using transformers.
- Developed NER for Adverse-Drug-Reactions using BERT and matched to the closest possible case based on MEDRA Dictionary encodings.

Assistant System Engineer Trainee-Developer(ML)
Tata Consultancy Services

📅 Aug 2021 – Nov 2021   📍 Kolkata, India

- Developing small Transformers based projects for different modules.

Remote Subject Matter Expert(Remote Problem Setter, ML)
HackerEarth

📅 June 2021 – Present   📍 Howrah, India

- Created different datasets based on different difficulty levels to be used on the platform.
- Applied different techniques while developing these datasets and provided both baseline and optimized solutions for them.
- Different categories of Datasets included Image Classification, Regression, NLP Classification and Regression, Time Series Application.

Research Intern
University of Calcutta

📅 Feb 2022 – Present   📍 Howrah, India

- Working on QCNN and their behaviours

Machine Learning Intern
Ardent Collaborations

📅 Dec 2019 – Feb 2020   📍 Kolkata, India

- Created and deployed a simple interface for handwritten character detection for children along with Text-To-Speech Engine for easier understanding.
- Learn and apply different Machine Learning and Deep Learning Techniques on different standardized-datasets.

PUBLICATIONS

- **"A light SRGAN for Low Resolution and High Latency Images"** [Link] - **Reviewed, accepted and Presented at ICACDS 2021, NASIK. Published @Springer CCIS Journal.**

SKILLS

- **Machine Learning**: Transformers, Tensorflow, Keras, OpenCV, Scikit-Learn, Pandas, Numpy, Neural Networks, Optimization
- **Programming Languages**:Python, Java, SQL
- **Other**: Flask, Git, Heroku, Data Analysis and Visualization, Model Automation

PROJECTS

ArXiv Audio

- Convert and generate audio files from ArXiv papers on Demand.

Indic Translator

- Capturing text from pictures and translating them to different Indian Language

STL Combiner

- Automated Mesh Reconfiguration for STL Stacking

Equation Generator and Solver

- Generating and solving Images of quadratic and linear equations
- Generator and Solver works independently of each other.

EDUCATION

B.Tech in Computer Science and Engineering
Calcutta Institute of Engineering and Management

📅 2017 – 2021   📍 Kolkata, India

Secured 8.57 CGPA

ISC
St. Xavier's Collegiate School

📅 2015 – 2017   📍 Kolkata, India

Secure 90% Overall

ACHIEVEMENTS

- Kaggle Expert
- Deep Learning Specialization - deeplearning.ai

VOLUNTEERING

- Mentor for AI/ML track at DevScript Winter of Code, 2021
- Organizer for Google Exchange with Developers SEA region.