Dhriti Prasanna Paul

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EDUCATION

Indian Institute of Technology Jodhpur, India   GPA: 7.47
Master of Technology in Artificial Intelligence   *Aug. 2021 – May 2023*

Barak Valley Engineering College, India   Percentage: 85.83
Bachelor of Engineering in Computer Science & Engineering   *Aug. 2017 – July 2021*

EXPERIENCE

Undergraduate Intern ↗   Aug. 2020 – Sep. 2020
E&ICT Academy IIT Guwahati   *Guwahati, India*
- Performed **Exploratory Data Analysis** (EDA) on Uber data to analyze the distribution of data.
- This project comes up with **EDA** and finds the maximum number of trips along with proper visualization.
- Trips include trips per hour of the day, per day of the week, and per month of the year.
- Tech used: **Python, Numpy, Pandas, Seaborn.**

PROJECTS

Neural Architecture Search ↗   July 2022
- The search algorithm for finding the **Convolutional Neural Network (CNN)** with the best performance for searching in a **Neural Architecture Search (NAS)**. Dataset used: Fashion-MNIST.
- **Genetic Algorithm** is used here to find the best accuracy with the minimum possible parameters.
- The genome with the combination consists of various activation functions after specific layers needs to be selected.

Twitter Sentimental Analysis ↗   May 2021
- Used **Tweepy** to extract the raw, real-time tweets w.r.t to a specific keyword, followed by data pre-processing.
- **TextBlob**, an inbuilt library used for polarity detection, categorizes the tweets as positive, negative or neutral.
- Tech Used: **Python, Tweepy, TextBlob.**

Path Finder Algorithm ↗   March 2021
- Used **A* Informed** algorithm for finding the path between source and goal as path-finding and graph traversals.
- **Manhattan distance** is used for finding the path, along with the heuristic function that makes it efficient.
- Tech used: **Python, Pygame.**

ACHIEVEMENTS

- Ranked **63** out of 15k worldwide in Round 1A, reached to Pre-Elimination Round of **Codechef Snackdown 2021**. Link : Certificate.
- Ranked **1940** out of **9031+** worldwide teams in Qualification Round of **Google Hash Code 2022.**
  Link : Certificate.

TECHNICAL SKILLS

Software Engineering: Strong Programming & Debugging Ability, Problem Solving and Logical thinking, Object Oriented Programming, DBMS, Data Structure and Algorithms.
Technologies: C, C++, Python, MySQL, HTML, CSS, Javascript, MS Excel, MS Word.
Developer Tools: Git, VS Code, Anaconda.

TRAINING

HPE, Kyrion Technologies, New Delhi: Implementations of algorithm related to Machine Learning using python.
Udacity Bertelsmann Scholarships Recipient: Artificial Intelligence Track.

EXTRA-CURRICULUM ACTIVITIES

- Codeforces : Link.
- Leetcode : Link.
- **Chapter Lead**, GirlScript Karimganj under GirlScript Foundation.   [June 2020 - June 2021]