



Tapan Mahata

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M.Tech - Data Science

B.Tech - Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech	Indian Institute of Technology, Guwahati	– (Current)	2023-Present
B.Tech.	Government College of Engineering and Leather Technology, Kolkata	8.68	2018-2022
Higher Secondary	WBCHSE Board	87.00%	2018
Secondary	WBBSE Board	91.23%	2016

PROJECTS

- **Effective Drone navigation using deep reinforcement learning** Sept. 2023 - Nov. 2023
Dr. Arijit Sur/Deep learning project/AI ARCHITECTS Github
 - Objective: This is a project about deep reinforcement learning autonomous obstacle avoidance algorithm for UAV. The whole project includes obstacle avoidance in static environment and obstacle avoidance in dynamic environment. In the static environment, Multi-Agent Reinforcement Learning and artificial potential field algorithm are combined. In the dynamic environment, the project adopts the combination of disturbed flow field algorithm and single agent reinforcement learning algorithm.
 - Tech Stack: Python, numpy, pytorch, matplotlib, seaborn, matlab, Neural network, Reinforcement learning
- **World population analysis** Nov. 2023
Dr Neeraj Kumar Sharma | IIT Guwahati | Data Science Github
 - * Objective: Analyze population data sourced from various websites for the world and India, utilizing web scraping techniques. Visualize data trends using matplotlib and seaborn, perform data cleaning with pandas, and use numpy for numerical computations. Implement polynomial regression for predicting and estimating future population trends.
 - * Tech Stack: Python, pandas, numpy, matplotlib, seaborn, BeautifulSoup

TECHNICAL SKILLS

- **Programming:** Python, C, C++, Matlab
- **Web Development :** HTML, CSS, Javascript , DOM manipulation, React Js , Mysql , PHP:
- **Data Science:** Numpy, Matplotlib, Pandas ,Tensorflow, Seaborn, Pytorch:

KEY COURSES TAKEN

- **Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths, Probability and Statistics
- **Data Structure and Algorithm:**
- **Database management system:**

EXTERNAL LINKS

Leetcode

ACHIEVEMENTS

- **Gate CS Rank 905,** 2023