SOURAV MUKHERJEE

Hooghly, West Bengal, India

└ +91-7003891493 souraymukherjee1111999@gmail.com □ Linkedin

\checkmark <u>+91-7003891493</u> \checkmark souravmuknerjee1111999@gmail.com \square Linkedin			
PERSONAL DETAILS			
• FATHER NAME: Bhaskar Mukherjee • D.O.B (DD/MM/YYY		YY): 01-11-1999	
• PERMANENT ADDRESS: 11 lane, Hooghly, West Bengal, India, EDUCATION	/	• SEX: MALE	
Heritage Institute of Technology,	Kolkata		09/2021 - 06/2024
Btech in Electronics & Communication Engineering - CGPA - 8.08			Kolkata, West Bengal
Ramakrishna Mission Shilpamandira, Belur Math Diploma in Electronics & Telecommunication Engineering - Percentage - 85.2%			05/2018 – 06/2021 Howrah, West Bengal
Uttarpara GOVT High School (WBCHSE)XII - Percentage - 63%			03/2016 – 04/2018 Hooghly, West Bengal
Uttarpara Children's Own Home (WBBSE)X - Percentage - 80%			2016 Hooghly, West Bengal
COURSEWORK / SKILLS			
• Machine learning • Electro	onics Devices	• Artificial Intelligence	• Microsoft Office 365
Communication Web I	Development	• OOPS Concept	• My SQL
PROJECTS			
 Path Loss Prediction Model C M In 5G and similar high-frequency power vary according to the traffic stransmission. Collected data from the Wallfish Iki CSV file consisting of 12,000 data testing the model. 	communication , generation it can s	signal power emerges as a cri ave a significant amount o ling 6 parameters from Qualn	itical factor. If the signal f cost for signals et simulator, to create a

- Trained the base model using Decision Tree Regressor, Gradient Boosting, Random Forest **Regressor**, and **KNN Regressor models**. Employed Linear Regression as the final estimator to create a **stacked regression model** for predicting path loss.
- Evaluated model against individual models and discovered that the trained model outperformed them. Trained model Mean Squared Error (MSE) is 0.818696, Mean Absolute Error (MAE) is 0.547446, and Root Mean Squared Error (RMSE) is 0.904818.

Movie-Lens 20M Dataset Analysis Z | Python, Pandas, MS-Excel, IDE-VS code

- Conducted comprehensive analysis of Movie-Lens 20M dataset to extract insights on movie ratings, genres, and user behavior. Demonstrated proficiency in handling data, identifying trends, and providing actionable insights for informed **decision-making**.
- Utilized **Python and pandas library for data analysis**, encompassing tasks from data collection to visualization. Presented key findings and recommendations based on dataset patterns and genre-specific movie analysis.

HOME AUTOMATION USING 8051 🗹 | 8051uc, Bluetooth module HC-05

• Revolutionize home with the cutting-edge **8051 Microcontroller** based project for home automation, powered by **HC-05** technology. Seamlessly control the home appliances with just a tap, bringing convenience and efficiency to fingertips.

INTERNSHIP

Campalin Innovation private Limited

06/2023 - 07/2023Bengaluru, Karnataka

07/2023

02/2021

• Internship in Machine learning with Python in association with Campalin from

TECHNICAL SKILLS

Languages: Python, Java, C++, My SQL Developer Tools: VS Code, MS Excel, Jupyter notebook, Goggle Collab, Intellij Idea, QualNet Simulator

PUBLICATION

Analysis of High Frequency Uplink Downlink Channel Parameter with Various K Factor | February 2024 | IJIRT | Volume 10 Issue 9 | ISSN: 2349-6002 | Paper link

CERTIFICATIONS

- Python for Data Science, AI & Development- Coursera 🗹
- Core Java Coursera 🗹
- Technical Support Fundamentals- Courser
a ${\ensuremath{\mathbb C}}$
- Leadership Skills Courser
a ${\ensuremath{ \ensuremath{ \ensur$