Vaibhav Jha

vaijha22@gmail.com ❖ +91-8951548632 ❖ vaiijha.github.io

WORK EXPERIENCE

Indian Institute of Science   **Oct. 2024 – Present**
Research Associate - 2, Computational and Data Science Dept.   *Bengaluru, KA*

- Distributed high performance computing research applications in quantum computing and AI at DREAM lab

Epsilon   **Aug. 2022 – Oct. 2024**
Data Engineer 1   *Bengaluru, KA*

- **Data /ML Engineer** with end-to-end project involvement in Healthcare, Automobile & Telecom domains.
- **Deliver product recommendations using ML** to **400K monthly** customers across brands and use cases.
- Developed efficient data ETL jobs for **50M+ customer records with AWS Glue, PySpark, Athena** and built an **end-to-end ML pipeline** using **Airflow**.
- Analyzed **10M+ customer data weekly** for healthcare marketing campaigns.
- Created a reporting pipeline from scratch to **analyze 100K+ customer engagement data**, enhancing **ML model training** and **performance** using **Python, Jupyterhub, and pandas**.
- **Automated reporting flow** and resolved data issues, saving the team **30+ hours per month**.

EDUCATION

R. V. College of Engineering   **May, 2022**
B.E, Electrical and Electronics   *Bengaluru, KA*

- Best Final Year Project Award (1st Prize); 8.15/10 CGPA
- Best Final Year Project Presentation Award (2nd Prize)
- Minor Project: Forecasting solar irradiance using time series weather data.
- Final Year Project: Design & Fabrication of Solar Panel Cleaning Robot.

PROJECTS & LEADERSHIP

Design and Fabrication of Solar Panel Cleaning Robot   **Apr. 2022 – Aug. 2022**
Final Year Project   *Bengaluru, KA*

- **Sponsored by Govt. of Karnataka** and handled a budget of **₹5 Lakhs** and qualified for VTU funding.
- Designed and built a robot involving interdisciplinary domains which included mechanical, electrical, and ML.
- Patent application in process.

Covid-Seva.org   **May 2021 – Aug. 2021**
Founder   *Remote*

- COVID resource repository for India. Featured in Times of India. **Reached 50K people** through our platforms. **Helped save 20 lives and managed 60 volunteers** across the country **within 2 weeks of launch**.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Crownpeak Developer certificate, Tealium CDP Developer certificate.
- **Skills: SQL, Pandas, Python, Azure Data Factory, Logic apps, Databricks, Pyspark, AWS Glue, ML/DL, Data Analysis, Statistics, Athena, EC2, S3, Airflow, Linux server**, Crownpeak, Tealium CDP, Java, C++
- **Interests:** Weightlifting, Guitar, Robotics, Rock Climbing, Hiking, Travel, Movies & Anime.