Rohan Saha
B.Tech | Major: **Electrical Engg.** | Minor: **Computer Science**
Indian Institute of Technology (BHU), Varanasi

+91-7093227957
rohan.saha.eee20@itbhu.ac.in
GitHub, LinkedIn

SUMMARY

Actively Searching for **Entry-Level Roles** in **Data Science**/**Data Analysis**/**ML** | Main Skill Sets include **Python, Jupyter, SQL & Power BI** | **UnderGraduate** in **Electrical Engineering** from **IIT(BHU), Varanasi** with a **Minor in CS** | Passionate & Quick at learning new skills and adapting to new environments. Love contributing to projects of scale and impact, and leading new initiatives.

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology (BHU), Varanasi	IIT (BHU)	9.08 (Till Sem-VI)	2020-Present
Senior Secondary	SVC Jr. College, Visakhapatnam	BIEAP	95.50%	2020
Secondary	DPS, Visakhapatnam	CBSE	94.00%	2018

EXPERIENCE

- **EXL** — *May'23 - July'23*
  Data Analyst-Intern | *Team : Decision Analytics* — Noida, India
  – Designed & Developed an **LLM Playbook** for Clients, integrating various LLMs into an Internal Portal for numerous Usecases
  – Worked on Experimenting, Selecting & Integrating LLMs [**StarCoder, CodeT5, FalCoder**] for **Code Generation & Technical Assistant**
  – Offered a **Return Full Time Offer** with the Same Team based on my Performance
  – **Exposure** : LLMs, Generative AI, Hugging Face API, Streamlit

PROJECTS

- **Event Detection in a Power Microgrid using Deep Learning** — *Jan'22 - May'22*
  Exploratory Project | *Supervisor : Dr. Soumya Ranjan Mohanty, Dept. of Electrical Engineering, IITBHU* — GitHub
  – Curated a **Self-Developed Dataset** by Simulating a Small-Scale Power Microgrid on **MATLAB** & its faults
  – Built our **ANN Model** using **Keras** with Concepts of **Optimizers, Categorical Cross-Entropy & Activation Functions** to fetch Accuracies of **95%+** & Min. Categorical Cross-Entropy Loss of **0.43** across 500 Epochs
  – **Exposure** : Python, Tensorflow, Keras, MATLAB
- **Autonomous Electric Vehicle 'Shivaay', Team Averera** — *Oct'21 - May'23*
  *An **SAE Level-3 Autonomous Vehicle**, going to compete in **Shell Eco-Marathon**'23 On-Track in Indonesia*
  – Led my **Electronics Team** around Sensors [UWB, IMU & RTK-GPS], Micro-Controllers & Micro-Processors, Power & Data Architectures, Safety Systems, Sensor & CPU Upbringing, Benchmarking & Testing
  – **Exposure** : ROS, Arduino & Raspberry Pi Programming, CAD
- **Autonomous Health Assistance Integrated Sub-System (HAIS)** — *Jan'22 - Feb'22*
  Ranked 1st Asia-Pacific Region in Shell Eco-Marathon **Pitch The Future'22, winning USD 1,000** — Report
  – HAIS is a **Stand-Alone Subsystem** of Wearable Wristband & Seatbelt Sensors, Power Source, Processor & Cloud Storage that works with an Autonomous Vehicle [AV] to provide **Autonomous Aid to Passengers** during any **Medical Emergency**
  – Project consists of Core Electronics, Vital Medical Sensors, In-House Trained ML Models, AI-Integrated Subsystems & Fully Autonomous Motion-Planning | Project Report | Project Video

TECHNICAL SKILLS

- **Programming Languages**: C/C++, Python
- **Tools and Technologies**: Jupyter, Anaconda, SQL, Tableau, Power BI, AWS, Visual Studio, Figma

CERTIFICATIONS

- Advanced **Software Engineering** Virtual Experience Program | **Walmart Global Tech** | Certificate
- **Cybersecurity & Cloud Computing** Program | **Mastercard** | Certificate
- Introduction to **Cloud Computing** on **AWS** | **Udemy** | Certificate

POSITIONS OF RESPONSIBILITY

- **Electronics Team Lead**, Team Averera, IITBHU — *Oct'21 - May'23*
  – Contributed to our **Autonomous Vehicle 'Shivaay' & Electric Urban Concept Vehicle**
  – **Globally Ranked 1st** among 250+ Teams from 40+ Countries, in the Prestigious **Shell Eco-Marathon** Virtual League'21, winning a Cash Prize of **USD 3,000**
  – **Ranked 1st** in **Asia Pacific & Middle East Region** in **Shell Eco-Marathon** Quiz'22 & Pitch The Future'22, Cash Prize of **USD 1,000**
- **Marketing Executive**, Kashiyatra'22, IITBHU — *Nov'21 - May'22*
  – Kashiyatra is one of the **Largest Socio-Cultural Fests** of India, with a **Footfall of 75,000+**
  – Secured Marketing Deals worth a **Cumulative INR 4.5Lac+**
- **Creative Team Lead**, Prastuti'22, IITBHU — *Dec'21 - May'22*
  – Prastuti is the **Annual Technical Fest** of Department of **Electrical Engineering**, IITBHU, with a **Footfall of 20,000+**

MISCELLANEOUS

- **B.Tech**, Achieved CGPA of **9.08**, Top-10 among a Batch of 160 Students — *2020-24*
- **Dr. B.R.Ambedkar Merit Scholarship**, Scholarship offered to the Meritorious Children of the Employees of RINL-VSP Visakhapatnam Steel Plant, based on JEE & NEET — *2020-24*