

SHAMBO CHOWDHURY

Burdwan, West Bengal

☎ +91-9679033262

✉ shamboc04@gmail.com

✉ shambo04@kgpian.iitkgp.ac.in

🌐 [Linkedin](#)

🐙 [Github](#)

EDUCATION

Indian Institute of Technology (IIT), Kharagpur

B.Tech - Chemical Engineering

2023 2027

Kharagpur, West Bengal

TECHNICAL SKILLS

Languages : Python, C, SQL, Bash

DevOps : Github Actions, CircleCI, AWS EC2, GCP GKE

Data Science : Data visualization & wrangling, Statistics

DBMS : PostgreSQL, MongoDB, MySQL

MLOps : ZenML, MLflow, Streamlit, Dagshub

Framework & Hosting : Flask, REST, Azure ASE, Heroku

PROJECTS

Predictive Maintenance Model [🔗](#) | [Demo](#) [🔗](#) | [Model Tracking](#) [🔗](#) | [Mlflow](#), [Streamlit](#), [Dagshub](#)

2024

- Built a Predictive maintenance model to predict sensor device failure, based on RandomForest algorithm.
- Achieved a model accuracy of 93% on the [test dataset](#) [🔗](#)
- Implemented Data wrangling, Model Training and Evaluation, Pipelines, Deployment.

Customer Satisfaction Predictor [🔗](#) | [Mlflow](#), [ZenML](#), [Streamlit](#)

2024

- Developed an ML model to predict customer satisfaction for a product on a scale of 0-5
- Implemented ZenML for pipeline management, MLflow for model tracking and Streamlit for model deployment.
- Optimized training dataset by Data Augmentation, Data Balancing, Hyperparameter Tuning etc.

Advertising Sales Prediction [🔗](#) | [scikit-learn](#), [pandas](#), [Matplotlib](#)

2024

- Implemented a Sales Prediction ML model, and solved the OLS Regression Challenge.
- Structured the code for data cleaning, preprocessing, model training, and evaluation.
- Achieved a model accuracy of 90% on test dataset.

Valo-shop [🔗](#) | [PostgreSQL](#), [REST-API](#), [Hosting services](#)

2022-Present

- Developed a Discord bot that allows users to view their Valorant in-game inventory and store from their discord
- BOT is used by over [2.8k+ servers](#) and have grown exponentially in just 1 year
- Implemented API calls, Database management, Hosting etc
- Resolved errors based on Rate Limiting, API Cookie Handling, User Security, Pipeline Issues etc

Vstat [🔗](#) | [PostgreSQL](#), [MongoDB](#), [Amazon-AWS-EC2](#), [REST-API](#)

2022-Present

- Developed a Discord bot for Valorant that displays user stats, matches, leaderboards, skins, agents, maps, and weapons
- Bot is verified by [top.gg](#) [🔗](#) with [1.7k+ upvotes](#) and is used in over [1.3k+ servers](#)

ENGAGEMENTS

Google Cloud Skill Boost Challenge [🔗](#)

2023

- Solved [40+ challenges](#) based on GenAI, LLM, Pub/Sub etc
- Achieved [10 points](#) and in less than 1 month starting from scratch.

Hactoberfest [🔗](#)

2021,2022,2023

- Contributed as well as maintained several open-source repositories like [freecodedatabase](#), [Valo-shop](#), [Vstat](#)
- Managed PRs, Issues and discord community of 800+ members

OTHERS


Freelancing

2023-Present

- Worked with a client in question papers designing
- Gained proficiency in relevant software tools or applications for question paper design, such as Microsoft Word, LaTeX

Awaaz

2023-2024

- Been a part of Student Media body of IIT Kharagpur and learnt several skills like **Video editing, Content Writing, Communication skills** etc
- Lead a team of 3 video editors and released teaser video for one of the biggest event called **Panch Parmeshwar** 

EXTRACURRICULAR

- Keen towards Photography and video-graphy, and have worked on several video editing projects
- Been a part of **Academy of Classical and Folk Arts** 