

# SHAMBO CHOWDHURY

Burdwan, West Bengal

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🐙 [Github](#)

## EDUCATION

Indian Institute of Technology (IIT), Kharagpur

B.Tech - Chemical Engineering

2023 2027

Kharagpur, West Bengal

## TECHNICAL SKILLS

Languages	Python, C, SQL, Bash, Latex
Data Science	Pandas, NumPy, SciKit-Learn, Matplotlib, Seaborn, Requests, Urllib3, BeautifulSoup4
MLOps	ZenML, PyArrow, MLflow, Streamlit
DevOps	CI/CD pipeline, Github Actions, Amazon Web Service (AWS), Google Cloud Platforms (GCP), Microsoft Azure
DBMS	PostgreSQL, MongoDB, MySQL
Hosting	AWS Elastic Beanstalk, Microsoft Azure, Azure App Service, Heroku
Frameworks	Flask, Web Scrapping, REST-API, HTTP requests,
OS Platforms	Windows (7,8,8.1,10,11), Ubuntu (20.xx,22.xx, 22.xx), Debian, MacOS X, Chrome-OS
Others	Discord/Telegram Bot development, Git and Github, Jupyter Notebook, Repl, VS Code, IntelliJ

## PROJECTS

Valo-shop 📄 | Python, PostgreSQL, REST-API, Hosting services 2022-Present

- Developed a Discord bot that allows users to view their Valorant in-game inventory along with many other features from their discord
- BOT is used by over **2.5k+** servers and have grown exponentially in just 1 year
- Implemented things like **API calls, Database management, Hosting and many more.** and also tackled problems like **Rate Limiting, API Cookie Handling, User Security, Pipeline Issues** etc

Vstat 📄 | Python, PostgreSQL, MongoDB, Amazon-AWS-EC2, REST-API 2022-Present

- Developed a Discord bot that allows user to view their **stats, matches, leaderboard, skins, agents, maps, weapons** and many other features from their discord.
- Bot is verified by top.gg 📄 **1.7k+** upvotes and is used in over **1.3k+** servers

Customer Satisfaction Predictor 📄 | MLOps, Mlflow, ZenML, Streamlit 2024

- Designed production grade end-to-end Data Science project that predicts the customer satisfaction based on a given dataset.
- Implemented **ZenML** for pipeline management, **MLflow** for model tracking and **Streamlit** for model deployment.
- Resolved problems like **Data Cleaning, Data Preprocessing, Model Evaluation, Model Training, Model Deployment** etc.

Advertising Sales Prediction (OLS Regression Challenge) 📄 | [scikit-learn](#), [pandas](#), [Matplotlib](#) 2024

- Implemented a Sales Prediction ML model, and solved the OLS Regression Challenge 📄.
- Designed proper structure like **Data Cleaning, Data Preprocessing, Model Evaluation, Model Training** etc.
- Achieved **90% accuracy** in the challenge.

Linear Regression Model (without SK-learn) 📄 | Python, Matplotlib, Linear Algebra 2023

- Developed a Linear Regression Model from scratch without using any **ML libraries** like **scikit-learn**.
- Used it predict Flipper lenght of penguins based on their body mass.
- Achieved **80% accuracy** in prediction

## Flipkart Review Scraper [↗](#) | Python, BeautifulSoup4, Flask, Requests

2023

- Developed a **full stack** project of flipkart Review Scraper that scrapes the reviews of all the products available in flipkart based on the search, and provide it in easy readable tabular format
- Project allows people to easily decide which product to buy based on the reviews
- Implemented **Flask** for website and **BeautifulSoup4** for web scrapping and Deployed the website on **Vercel**

## ENGAGEMENTS

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### Hactoberfest [↗](#)

2021,2022,2023

- Active participant of Hactoberfest and have **contributed** as well as **maintained** several big **open-source** projects

### Google Cloud Skill Boost Challenge [↗](#)

2023

- Participated in The Arcade and successfully completed different challenges based on **GenAI**, **LLM**, **Pub/Sub** etc
- Earned **10 points** in less than month starting from scratch.

## OTHERS

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### 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

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- Keen towards Photography and video-graphy, and have worked on several video editing projects
- Been a part of Academy of Classical and Folk Arts [↗](#)