

# SUMAN GHOSH

Data Analyst

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📍 Kolkata, West Bengal

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Recent B.Tech graduate in Computer Science with strong foundations in Machine Learning, Data Science and Data Analysis. Adept at solving real-world problems through data-driven approaches, with hands-on experience in image processing and data analysis. Successfully led academic and hackathon projects. Skilled in Python, SQL, Power BI, Tensorflow and data visualization tools. Enthusiastic about applying technical knowledge to extract insights, build intelligent system, and drive impactful decision-making in the role of a Data Analyst.

## SKILLS

- **Programming Languages** : Python, SQL
- **Tools & Databases** : Power BI, Excel, MS SQL, MySQL, SQLite, Postgres SQL, Git
- **Frameworks & Libraries** : Tensorflow, Pandas, Numpy, Scikit-Learn, Seaborn, Matplotlib
- **Platforms & Cloud** : Jupyter Notebook, Visual Studio Code, Kaggle, GCP
- **Concepts** : Dashboard, Machine Learning, Deep Learning, Image Processing, Predictive Modeling
- **Soft Skills** : Communication, Research, Report Building, Strong Team management, Time management
- **Languages** : English, Bengali, Hindi, Odia

## EXPERIENCE

**Call Center Optimization** | PwC Switzerland (Virtual Experience) | [Certificate](#)

**Tech Stack** : Power BI

- Completed a virtual job simulation focused on real-world Power BI tasks in a consulting context.
- Analyzed call center trends to identify performance gaps and operational insights.
- Created visual dashboards to support strategic decisions on customer retention initiatives.
- Explored the impact of diversity & inclusion on business performance and team culture.
- Gained hands-on experience with data storytelling and stakeholder communication using Power BI.

## PROJECTS

**Brain Tumor Detection and Prediction** | Academic Project | [GitHub](#) | [Kaggle](#)

**Tech Stack** : Python, TensorFlow, Jupyter Notebook, Google Colab.

- Processed 19,000+ MRI images for brain tumor classification.
- Trained on CNN, VGG16, VGG19 and YOLOv8, optimizing precision by 15%.
- Achieved 98% accuracy using VGG19 model and 85% accuracy using YOLOv8 model for real-time analysis.

**Banking System** | [GitHub](#)

**Tech Stack**: Python, SQL, Visual Studio Code

- Built a command-line Banking Management System using Python and MySQL, supporting core operations like account creation, updates, deposits, withdrawals, and transaction tracking with secure status verification and exception handling.
- Designed a robust relational database schema with search functionality by account/Aadhar/phone/email/name, ensuring data integrity and seamless backend integration using MySQL Connector.

## CERTIFICATES

- **Python for Everybody** | University of Michigan | [Certificate](#)
- **Tools for Data Science** | IBM | [Certificate](#)

## HOBBIES

- Exploring new tech
- Observing
- Gardening
- Travelling

## EDUCATION

- Bachelor of Technology in Computer Science | Seemanta Engineering College (2021 - 2025) | CGPA - 8.61
- Higher Secondary | Medinipur Town School | 60.4%
- Secondary | Babu Dummro High School(H.S) | 69.57%

## KEY ACHIEVMENT

- Served as Team Lead in the Hackathon & Project.
- Win several painting competition.