Gopal Dutta

Aspiring Data Scientist | Data Analyst | Machine Learning Enthusiast

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📍 **A-270, Bhagya Vihar, Rani Khera, MuburakPur Dabas, New Delhi-81**
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🔗 **LinkedIn** | 🔗 **GitHub** | 🌐 **Portfolio**

Professional Summary

Motivated and technically skilled Computer Science graduate with strong foundations in Data Science, Data Analysis, and Python Development. Adept at designing and deploying machine learning models, analyzing datasets, and drawing actionable insights. Strong command of Python's data stack (Pandas, NumPy, Scikit-learn, TensorFlow, Keras) and experience working on real-world projects in both academic and professional settings. Strong communication, analytical, and problem-solving skills, with a proven ability to contribute in both collaborative and independent roles.

Education

B.Tech in Computer Science & Engineering
Dronacharya College of Engineering, Gurgaon (Affiliated with MDU) — *2021–2025*
Status: Pursuing

Class XII (CBSE) — P.S.M Public School, New Delhi — *2021*
Percentage: 90%

Class X (CBSE) — P.S.M Public School, New Delhi — *2019*
Percentage: 92%

Work Experience & Trainings

Software Engineer Intern
Kenstel Networks Limited, New Delhi — *Feb 2025 – Mar 2025*

- Developed and debugged network protocol software (TCP/IP, DNS, SNMP).
- Automated configuration and network tasks using Python and Bash Scripts.
- Utilized Python, Networking concepts, and MongoDB to maintain Firmware Software

Data Scientist Intern
DevSkill Hub — *Aug 2024 – Oct 2024*

- Built and deployed a real-time facial detection system using ML and DL.
- Conducted preprocessing, feature engineering, and model optimization using Scikit-learn and TensorFlow.

Data Scientist Intern
Novanectar Services Pvt. Ltd. — *Jun 2024 – Jul 2024*

- Designed a product recommendation system using Python, Pandas, and BeautifulSoup.
- Performed web scraping, EDA, and model implementation to get precise recommendations.

Key Projects

Product Recommendation System

- Used Python, Scikit-learn, Pandas, and BeautifulSoup to build a system which recommend products based on user input.
- Improved recommendation accuracy and relevance.

Facial Recognition System

- Built a face detection system using OpenCV and TensorFlow.
- Designed for real-time security applications with high detection accuracy.

Solar Panel Efficiency Predictor

- Built a regression model using sensor and operational data to estimate efficiency.
- Tools: Python (Pandas, Numpy), Scikit-learn, Matplotlib

Technical Skills

Programming & Scripting: Python, SQL, Flask, HTML5, CSS3

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, Keras, PyTorch

Machine Learning: Linear/Logistic Regression, Naive Bayes, KNN, SVM, Decision Trees, Random Forest, LightGBM, XGBoost, Clustering (K-Means), PCA

Deep Learning: CNNs, RNNs, LSTM, ANN, Backpropagation, Gradient Descent, Activation Functions (ReLU, Sigmoid, Softmax)

Data Analysis: Data Collection, Preprocessing/Cleaning, Wrangling, EDA, Feature Engineering

Visualization: Tableau, Power BI, Matplotlib

Databases & Tools: MySQL, SQLite, MongoDB, Jupyter Notebook, VS Code, Git, Excel

Certifications

- Young Python Professional — *Infosys (June 2024)*
- C for Everyone — *Coursera (June 2022)*
- Spoken Tutorials (C & Java) — *IIT Bombay (2022)*
- Digital Productivity — *NIIT Foundation (Oct 2022)*
- Skilled Bharat Movement — *UNICEF & MoYAS (Nov 2022)*
- Web3 & Open Source — *Eduhub Community (Oct 2023)*

Languages

- English — Fluent
- Hindi — Fluent
- Bengali — Fluent

Soft Skills

- Analytical Thinking
- Problem Solving
- Statistical Reasoning
- Communication
- Teamwork
- Time Management
- Self-motivation