

SHUBHAM MALIK

Data Scientist | Data Analyst

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[LinkedIn](#) | [GitHub](#) | [HackerRank](#)

Portfolio: <https://shubhamalik2000.github.io/portfolio/>

Data Scientist with an experience of about 6 months, and badge for 5-star HackerRank python coder, I aspire to build ML/DL models to foster data driven decisions. My current finding being studying Arctic Sea Ice shrinkage (current rate of 12.2%) and drying up of Aral Sea (89% lost in last few decades).

PROFESSIONAL EXPERIENCE

Data Scientist

2023 - Present

AI Variant | Bengaluru, India

Project 1: Fraud detection

- Worked on **data cleaning, processing and analysis**, to uncover trends, patterns, anomalies for meaningful data-oriented result.
- Developed and deployed a fraud detection classification and clustering model, **reducing manual work by 30%** and **increasing fraud recognition by 15%**.
- Utilized ensemble techniques and deep learning, **boosting model efficiencies by 25%** compared to traditional methods.

Project 2: Stock Price prediction Forecast

- Led a of **group of 7** by setting example to work the stock price of Amazon.
- Continual optimization of models resulted in finally using a **LSTM model (deep learning model) based on Keras and TensorFlow**, which had the **RMSE value in the range of 4-5**.
- Helped stakeholders **reduce analysis time from 30 minutes to 2 minutes**, along with **increasing the profit by about 50%**.

TECHNOLOGICAL SKILLS

- **Data Science / Machine Learning / Deep Learning / AI:** Python, Data Visualization, Supervised and Unsupervised Machine Learning algorithms (regression, classification (logistic regression, SVM, k-NN, Decision tree, Random Forest), clustering (DBSACN, k-mean etc.)), ANN, CNN, EDA, NLP, Feature engineering, feature selection and extraction etc.
- **Mathematics for ML / DL:** Statistics and Probability, Algebra, Calculus, Linear Algebra, Advance statistical techniques
- **Python Packages and framework:** Scikit-learn, TensorFlow, Keras, Cloud Vision, API, NumPy, Pandas, SciPy, Beautiful Soup, PyTorch, Matplotlib, Seaborn
- **Programming languages:** Python, R (Basic)
- **Database:** MySQL
- **Visualization:** Tableau, PowerBI, Excel and Advance Excel for interactive dashboards
- **Cloud Development:** AWS and Azure
- **Big data:** Hadoop and Spark

EDUCATION

BSc Mathematics | University of Delhi (2018 - 2021)

Gold medalist during final year (10 CGPA)

Well-built base in Linear Algebra, Calculus, Pattern Analysis, Algorithms and statistics and probability

12th standard, PCM with computer science (C++) | CBSE (2018)

Laid the requisite foundation for mathematics and computer science

CERTIFICATIONS / PROFESSIONAL TRAINING

Data Scientist Certification | ExcelR (2024)

Data Analyst Basic Quiz | CareerNinja, LearnTube (2024)

Achievements

HackerRank Python 5-star coder | [Link](#)