Abhishek Gogna

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Professional Summary:
Dedicated Quant and Algo Research Analyst with 9+ years of expertise in computer application technology, data science, and financial analysis. Specialized in machine learning models for financial markets, with a proven track record in options pricing, volume analysis, and market volatility predictions. Currently pursuing advanced studies in Data Science, AI, and Machine Learning at IIT Guwahati. Skilled in Python, C++, Java, and statistical analysis, with a passion for driving innovation through technology.

Key Skills:

- **Programming Languages:** C++, Java, HTML, SQL, R & Python
- **Data Science & Machine Learning Tools**: Sklearn, Matplotlib, Seaborn, Plotly, Tableau, TensorFlow, Pytorch .
- **Machine Learning Techniques:** Linear Regression, Logistic Regression, Decision Tree, SVM, Random Forest, K-means Clustering, Gradient Descent.
- **Statistical Analysis**: Standard Deviation, Profit Maximization Strategies
- **Business Tools:** MS Office, MS Excel, Photoshop, Corel, Tally, BusyWin
- **Software Development:** VB, FoxPro, React, NodeJS
- **Financial Analysis Tools:** Quantitative Data Analysis, Predictive Modelling
- **Other:** Networking, Software Troubleshooting, Data Management

Professional Experience:
Quant and Algo Research Analyst: Delta Option LLP, Noida | May 2021 – Present
- Developed machine learning models for options pricing and market volatility prediction.
- Collaborated closely with Dr. Anup Raj, PhD, on research for derivatives and quantitative analysis.
- Applied statistical analysis and advanced algorithms to optimize financial trading strategies.
- Utilized tools like Python and R for deep data analysis and predictive modelling.

Business Analyst:
Super Tools, Delhi | May 2014 – April 2021
- Conducted in-depth business analysis to streamline operations and drive profitability.
- Implemented data-driven decision-making processes for various business units.
- Developed business solutions using advanced statistical models to forecast trends and improve efficiency.

Education:
- Master's in Data Science, Machine Learning, and AI (Ongoing) IIT Guwahati
- MCA: Amity University | 2011-2014 | 72%
- BCA: Guru Nanak Dev University | 2008-2011 | 68%

Certifications:
- Python 1, 2, 3 (Advanced Python for Data Science)
- Golang
- React, NodeJS

- R Programming
- Certified Internet Security Expert (CISE) – InnoBuzz
- Diploma in AutoCAD – CAAD Centre
- Java Programming – InnoBuzz

Projects:
Machine Learning Model for Options Pricing:
- Developed a predictive model for options pricing using Python and statistical algorithms to assist in trading decisions.

Market Volatility Prediction Tool:
- Built an AI-powered tool to analyse and predict market volatility, providing real-time insights to financial institutions.

Interests & Hobbies:
- Data Science & Machine Learning
- Quantitative Data Analysis
- Problem Solving in Computer Applications

Languages: English, Hindi

Declaration:

I hereby declare that the above information is true to the best of my knowledge.

(Abhishek Gogna)