Risheek *Bajaj*

Contact

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DOB: 25 February 2000
Gender: Male

Professional Summary

Results-driven Data Scientist with nearly 2 years of experience transforming complex datasets into impactful business insights and AI-driven solutions. Proficient in data preprocessing, statistical modeling, machine learning, and visualization using Python, SQL, Power BI, and Excel. Demonstrated expertise in segmentation, A/B testing, dimensionality reduction (PCA), and time-series forecasting (ARMA/GARCH). Skilled in building, evaluating, and optimizing deep learning models (CNNs, GANs) and deploying prototypes. Combines strong analytical thinking, problem-solving, and effective communication to deliver data-powered innovation and business growth.

Technical Skills

Programming & Data: Python (pandas, NumPy, scikit-learn), SQL, Excel (pivot tables, macros)
BI & Visualization: Tableau, Power BI, Matplotlib, Seaborn, Plotly, Dash
Data Engineering: ETL pipelines, API integration, MongoDB, Hadoop
Analytics & Modeling: Predictive modeling, regression, clustering, A/B testing, PCA, time-series (ARMA/GARCH)
AI & Deep Learning: PyTorch, TensorFlow, CNNs, OpenCV, YOLO, GANs
Deployment & DevOps: Flask, Streamlit, Git/GitHub
Soft Skills: Critical thinking, problem-solving, data storytelling, ethical AI awareness

Work Experience

Kritko | April 2024 - June 2025

Data Analyst

- Designed and delivered interactive dashboards and data models using Python, Power BI, and Excel.
- Performed predictive analysis and trend forecasting to support academic and business decision-making.
- Created tailored reports and visualizations based on client-specific objectives and KPIs.
- Collaborated with stakeholders to define metrics and build data-driven strategies.
- Maintained data accuracy through rigorous cleaning, preprocessing, and validation techniques.

Wunderman Thompson Studios | Jul 2023 - Dec 2023

Analyst

- Analyzed email marketing performance using Marketo and Salesforce, delivering data-driven insights to boost engagement.
- Dynamic dashboards in Power BI and Salesforce Analytics to track KPIs and visualize ROI.
- Conducted A/B testing to optimize campaign content, layout, and delivery timing for higher conversion rates.
- Segmented audiences for targeted and personalized campaigns.
- Supported teams in aligning email analytics with business goals.

Certification

- "Cloud Computing" & "Introduction to Database Systems" course by NPTEL.
- "Data Processing and Visualisation" course by NASSCOM (POWER BI)
- Empowering the Visually Impaired: A Sustainable ML- Based Currency Recognition System" Published in Sustainable Development through Machine Learning, AI and IoT, Springer
- Presented my project during the NAAC and NBA visit at Vivekananda Institute of Professional Studies demonstrating my commitment to academic excellence and impactful communication
- "An Advanced Health Monitoring System for Predicting and Evaluating Individual Well-being" Published in Sustainable Development through Machine Learning, AI and IoT, Springer

LinkedIN   Workfolio   GitHub

Education

Diploma in AI Lab | July 2025 - Aug 2025
Worldquant University
- Cleaned and preprocessed visual datasets using Python, OpenCV, NumPy, and Pandas to tackle real-world image challenges in wildlife, agriculture, and medical domains
- Designed and trained advanced computer-vision models—from custom CNNs and transfer learning to object detection (traffic in Dhaka) and face recognition (using MTCNN/Inception-ResNet)
- Implemented generative AI pipelines (GANs, Stable Diffusion) and deployed interactive apps (e.g., meme generator, medical image synthesis) with PyTorch, Streamlit, and Flask

Diploma in Applied Data Science Lab | Mar 2025 - Jun 2025
Worldquant University
- Wrangled and preprocessed real-world datasets—from CSV/JSON, SQL (SQLite), NoSQL (MongoDB), and web APIs —using Python to prepare for analysis
- Built predictive and time-series models, including regression, classification (decision trees, random forests), ARMA, and GARCH, and ran A/B tests with chi-square methods
- Created end-to-end ETL pipelines, interactive dashboards (Plotly Dash), and PCA-powered visualizations to streamline workflows and communicate insights to non-technical stakeholders

Master of Computer Application (MCA) | Aug 2021 - Sep 2023
Vivekananda Institute of Professional Studies, GGSIPU | CGPA: 9.5/10
- Mastered core computer science foundations, including data structures, algorithms, advanced programming (C++, Java, Python), DBMS, software engineering, and operating systems
- Developed expertise in data analytics, machine learning, AI/ML, and full software development, supported by hands-on labs, real-world projects, and workshops across cloud, web, mobile, cybersecurity, and big data technologies .
- Led and executed capstone projects and internships, applying theoretical knowledge to problem-solving, while honing teamwork, research, and presentation skills through group activities, case studies, and NAAC coordination

Bachelors's in Computer Application (BCA) | Aug 2018 - Sep 2021
Trinity Institute of Professional Studies, GGSIPU | CGPA: 8.7/10
- Built strong foundations in OOP (C++, Java), DBMS (SQL/MySQL), and web development (HTML, CSS, JavaScript, PHP) through structured coursework and lab work
- Practiced data handling, basic Python scripting, MS Excel analytics, statistics, and logic-building to support data-driven thinking.
- Collaborated on real-world academic group projects, simulating end-to-end tech solutions and reinforcing teamwork and practical application skills .

Projects

Stroke Risk Prediction | Python , Machine Learning
- Developed a machine learning prototype to predict stroke risk using SMOTE for class imbalance and compared Random Forest and Logistic Regression models for accurate health-based predictions

Personal Financial Analysis | Python, Power BI, Excel
- Developed interactive Power BI dashboards to track spending, budgeting, and savings. Analyzed and cleaned financial data in Excel, visualizing key insights to enhance income and expense tracking.

Attendance Monitoring System Using Face Recognition | Python, OpenCV, tkinter
- Built a real-time, contactless attendance system using OpenCV for face detection and recognition with automated logging to a local database.

Air Quality Analysis in Nairobi | Python, MongoDB, Statsmodels
- Built an ARMA time-series model to forecast air pollution using MongoDB+PyMongo for data extraction and cleaning, and optimized performance through hyperparameter tuning.

Currency Recognition System | TensorFlow Lite, Android Studio
- Built an Android app to help visually impaired users identify Indian currency using an on-device TensorFlow Lite model with real-time recognition and text-to-speech feedback.