



Sahil Bajaj

Data Scientist

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Results-oriented Data Scientist with a postgraduate degree and a solid foundation . Adept at employing machine learning, data analysis, and statistical techniques to solve complex problems. Proficient in Python, and SQL, with hands-on experience in Data analysis , data visualization and predictive analytics. Passionate about uncovering data-driven insights to inform business strategies and enhance operational efficiency.

Professional Experience

August 2021 - Present	Associate Data Analysis & Reporting: Analyzed test data to identify patterns, trends, and anomalies. <ul style="list-style-type: none">Created detailed reports and dashboards using tools like Tableau and Excel to communicate test results and quality metrics to stakeholders.Utilized SQL to query databases for test data validation and extraction, ensuring accurate test coverage. Scripting and Programming: <ul style="list-style-type: none">"Built and maintained automated test frameworks using Python and Selenium, encompassing unit tests, API tests, and UI tests. This ensured comprehensive application coverage and increased test execution efficiency by 40%.""Utilized SQL queries to extract and manipulate test data from databases, enabling efficient data analysis for test result interpretation." Test Automation Development: <ul style="list-style-type: none">Reduced manual testing time by 40% through automation.Integrated automated tests with CI/CD pipelines using Jenkins, enabling continuous testing and faster feedback loops."Collaborated with Team to develop data pipelines for feeding test data into automated test suites, streamlining the testing process.""Presented test findings and data visualizations to developers and stakeholders, effectively communicating complex technical issues and driving bug resolution."	<i>Cognizant, Pune, Maharashtra</i>
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Education

June 2023 - June 2024	Post Graduate in Data Science Purdue University Learning Outcomes : <ul style="list-style-type: none">Understand and apply statistical methods to analyze data.Clean, transform, and prepare data for analysis using various data wrangling techniques.Implement machine learning algorithms to build predictive and descriptive models.Visualize data effectively to communicate insights and findings.Utilize big data technologies to process and analyze large data sets.Program efficiently in languages commonly used in data science, such as Python .Extract meaningful patterns and insights from data using data mining techniques.Address ethical issues and apply best practices in data science projects. Capstone Projects :
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- **Employee Turnover Analytics** : The project empowers the HR department at Portobello Tech with predictive insights into employee turnover, helping them maintain a motivated and committed workforce. By addressing the factors contributing to turnover, the company can enhance employee satisfaction and reduce the overall turnover rate.
Link : <https://www.kaggle.com/code/sahilnbajaj/employee-turnover-analytics>
- **Spotify - Creating Cohorts of Songs** : Perform exploratory data analysis and cluster analysis to create cohorts of songs. The goal was to better understand the various factors that create a cohort of songs.
Link : <https://www.kaggle.com/code/sahilnbajaj/spotify-creating-cohorts-of-songs>

August
2017 -
March
2021

- BE - Bachelor of Engineering in Electronics and Telecommunication Engineering**
 Sinhgad Institute of Technology & Science
 Electronics and Telecommunication Engineering
- Completed a Bachelor of Science in Electronics and Telecommunication Engineering from a prestigious university. Graduated with honors and received a strong academic background in mathematics, physics, and computer science.

Key Skills

- Programming Languages: Python, SQL, Java
- Data Science: Machine Learning, Ensemble Learning, Data Analysis, Statistical Modeling, Data Visualization, Predictive Analytics
- Tools & Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, Jupyter Notebooks
- Cloud Technologies : GCP and Azure
- Databases: MySQL, PostgreSQL
- QA Automation: Selenium, JUnit, TestNG, Jenkins

Certifications

June 2024	Post Graduate Program in Data Science success.simplilearn.com/106807894	Purdue University
March 2021	Microsoft Certified: Azure Fundamentals www.credly.com/earner/earned/badge/984eb...	Microsoft
March 2021	Microsoft Certified: Azure Data Fundamentals www.credly.com/badges/bde0e581-cbfe-4133...	Microsoft
August 2022	Google cloud Certified Associate Cloud Engineer google.accredible.com/c8eb2b18-80fb-4bdd...	Google