

Ashish

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Summary

Data Science professional with hands-on expertise in Python, SQL, and data visualization, applying statistical inference and causal analysis to generate actionable insights. Built interactive dashboards with IBM Cognos Analytics and Excel while crafting SQL queries to define and monitor key metrics. Experienced in exploratory analysis, forecasting models, and hypothesis testing through capstone projects, seeking to optimize product performance and customer satisfaction.

Technical Skills

- **Technical Skills:** R, Rstudio, PostgreSQL, SQL, MongoDB, Python, C++, Java, JavaScript, HTML5, CSS, Data Querying Languages, Scripting Languages
- **Machine Learning:** Supervised Learning, Unsupervised Learning, Reinforcement Learning
- **NLP Technologies:** Language Models, Semantic Parsing, Natural Language Generation
- **Frameworks:** PyTorch, TensorFlow
- **Data Visualization & BI Tools:** IBM Cognos Analytics, Matplotlib, Seaborn, Tableau
- **Data Science & Analysis:** Data Science, Quantitative Analysis, Statistical Inference, Causal Inference, Classification Methods, Data Modeling
- **Product & Business Acumen:** Business Metrics, Customer Empathy

Education & Certifications

Cal State University East Bay, Hayward <i>Master's, Statistics (Data Science Concentration)</i> (GPA: 3.565)	Sep 2024 - Jun 2026 Hayward
Fleming College, Peterborough <i>Post-Grad Diploma, Wireless Information Networking</i> (GPA: 3.6)	Sep 2017 - Jun 2019
Punjab Technical University, India <i>B.Tech., Electronics & Communication Engineering</i> (GPA: 3.0)	Aug 2012 - Jun 2016

Work Experience

NPower Canada <i>Junior Data Analyst Professional Program</i>	Jan 2024 - Apr 2024
<ul style="list-style-type: none">• Demonstrated strong data manipulation skills through Excel and advanced Python libraries (Pandas, NumPy), aligning with proficiency in data querying, data modeling, and scripting languages.• Executed a capstone project involving comprehensive data collection, exploratory analysis, and statistical methods, incorporating forecasting and causal inference techniques to generate actionable insights, define key business metrics, and support decision-making.• Built interactive dashboards using Tableau, IBM Cognos Analytics, and Excel, while composing SQL queries in Jupyter Notebook to monitor success metrics and drive strategic, data-informed decisions.• Acquired in-depth understanding of cloud computing concepts and Azure architecture, effectively managing Azure spending and applying best practices to minimize costs.	
Nordia Inc. <i>Technical Support Representative</i>	Mar 2020 - Jun 2023
<ul style="list-style-type: none">• Enhanced Layer 2 troubleshooting procedures, optimizing SNR on Copper to ensure seamless connectivity and improved service quality while maintaining customer empathy.• Conducted comprehensive fiber attenuation loss assessments from Central office to client locations, leading to improved network performance and reduced downtime.• Advanced troubleshooting methodologies for residential gateways, collaborating with technical teams to resolve complex issues efficiently.	
Information Point Society <i>IT Faculty</i>	Jul 2016 - Jul 2017
<ul style="list-style-type: none">• Equipped students with proficiency in programming languages such as Java, Python, and C++.• Revamped course modules to integrate real-world applications, ensuring students gained a practical understanding of programming concepts and familiarity with industry-standard tools.• Provided tailored mentorship, guiding students on utilizing tools like Git, SQL, and IDEs effectively.	

Projects

Data Analysis Project: Hypothesis Testing

- Conducted a comprehensive data analysis project utilizing R and R Markdown, focusing on hypothesis testing to derive insights from data.
- Performed data exploration and statistical analysis to identify trends and patterns.
- Documented findings and methodologies in a well-structured R Markdown report.

IBM Data Analyst Capstone Projects | IBM

- Conducted a comprehensive analysis of programming language and database trends using data from the 2019 Stack Overflow Developer Survey.
- Utilized the yfinance library to extract stock data for Tesla and GameStop, effectively creating comprehensive financial datasets for analysis.
- Conducted data analysis on a comprehensive housing dataset from King County using pandas and seaborn to predict market prices based on key features including square footage and number of bedrooms.