# Ashish

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## Summary

An emerging Data Science professional with solid technical skills in Python, SQL, and data visualization. Experience from a Junior Data Analyst program highlights his ability to conduct statistical analysis, forecasting, and data mining for actionable insights. With a strong academic foundation in Statistics and practical experience in data manipulation and dashboard creation, he is well-equipped to influence product strategy and measure success metrics.

## 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**: IBM Cognos Analytics, Matplotlib, Seaborn
- **Data Science & Analysis**: Data Science, Quantitative Analysis, Statistical Inference, Causal Inference, Classification Methods

## Work Experience

**NPower Canada** | *Junior Data Analyst Professional Program* **Jan 2024 - Apr 2024**

- Demonstrated strong data manipulation skills through Excel and advanced Python libraries (Pandas, NumPy), aligning with proficiency in data querying 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 and support business decision-making.
- Built interactive dashboards using 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.** | *Technical Support Representative* **Mar 2020 - Jun 2023**

- Enhanced Layer 2 troubleshooting procedures, optimizing SNR on Copper to ensure seamless connectivity and improved service quality.
- 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** | *IT Faculty* **Jul 2016 - Jul 2017**

- 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.

## Education & Certifications

**Cal State University East Bay, Hayward** | *Master's, Statistics (Data Science Concentration)* **Jun 2026**

**Fleming College, Peterborough** | *Post-Grad Diploma, Wireless Information Networking* **Jun 2019**

**Punjab Technical University, India** | *B.Tech., Electronics & Communication Engineering* **Jun 2016**

## 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.