

## Aswin Anil Bindu

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### OBJECTIVE:

Seeking a Data Analyst / Data Science Co-op role where I can apply my Python, machine learning and generative AI experience to turn data into actionable insights and help build and deploy models in the cloud.

### HIGHLIGHTS OF QUALIFICATIONS:

- Currently enrolled in George Brown College's Applied A.I. Solutions Development program, gaining advanced analytics and AI skills tailored for healthcare and public-sector applications.
- 2+ years of professional experience as a Junior Data Analyst with hands-on work in Python, SQL, and data visualization.
- Proficient in data cleaning, statistical analysis, and creating dashboards/reports using Excel, Power BI, and Python libraries (pandas, scikit-learn, matplotlib).
- Experience developing and validating ML models (classification, regression, and generative AI) using scikit-learn and TensorFlow.
- Familiar with Azure Machine Learning Studio, GitHub, and Jupyter for collaboration, model tracking, and deployment.
- Commitment to accessible technology and inclusive services, informed by personal advocacy and professional interests.

### TECHNICAL SKILLS:

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|--|---|
| • Python (Pandas, NumPy, Scikit-learn, Matplotlib)   | • Machine Learning Algorithms                   |
| • Tableau / Power BI (Dashboards, Reporting)         | • Jupyter Notebook / Anaconda IDE               |
| • Microsoft Excel (Pivot Tables, Data Visualization) | • Git & GitHub (Version Control, Collaboration) |
| • Data Cleaning & Preprocessing                      | • SQL (MySQL, PostgreSQL)                       |

### EDUCATION:

#### Applied A.I. Solutions Development (Postgraduate)

Expected July 2025

*George Brown College, Toronto, ON*

- Built and validated machine learning models using Python (pandas, scikit-learn) for healthcare datasets.
- Designed and implemented a generative AI chatbot prototype leveraging transformer models and NLP concepts to support mental health use cases, incorporating cloud-based data processing.
- Created and optimized interactive Power BI dashboards to visualize patient metrics and trends.
- Utilized Jupyter Notebooks and GitHub for version control, documentation, and stakeholder presentations.

## **Bachelor Of Engineering: Mechanical Engineering**

Aug2015 - May2019

*Anna University, Tamil Nadu, IN*

- Majors: Mathematics, Design, Analytical Skills, Capacity to Transform Data into Actionable Insights

## **CERTIFICATIONS:**

- IBM Data Analytics Professional Certificate – IBM on Coursera (2024)
- Google Data Analytics Professional Certificate – Google Career Certificate Training (2023)
- Data Science, Machine Learning, AI & Tableau – National Council for Technology and Training (2022)

## **PROFESSIONAL EXPERIENCE:**

### **Junior Data Analyst**

July 2021 - July 2023

*Luminar TechnoLab, Kochi IN*

- Analyzed and cleaned large healthcare datasets (50K+ records) using Python and SQL, reducing data processing time by 30%
- Designed and automated Excel and Power BI dashboards to track KPIs, improving executive reporting efficiency by 25%
- Collaborated with cross-functional teams to develop predictive models that increased forecasting accuracy by 18%
- Implemented data validation processes that decreased errors in client reporting by 40%

### **Data Science Intern**

July 2021 - July 2023

*Luminar TechnoLab, Kochi IN*

- Developed and deployed machine learning models to analyze customer behaviour, improving targeted marketing strategies by 15%.
- Utilized Python and SQL to clean, preprocess, and analyze large datasets, extracting actionable insights critical for business growth and optimization.
- Worked with cross functional teams to design and deploy predictive models, delivering measurable business outcomes.
- Created interactive data visualizations in Tableau to help stakeholders interpret complex data patterns.
- Actively pursued continuous learning in machine learning, statistical analysis, and data manipulation, bringing fresh ideas to team projects.

## **VOLUNTEER EXPERIENCE:**

### **Maintenance Engineer (Volunteer)**

Jun 2019 – May 2020

*Om Shakti Automobiles, Trivandrum*

- Helped document maintenance schedules and track completed tasks, improving workshop organization.
- Applied problem-solving and technical skills in a fast-paced environment while collaborating with experienced technicians.