Aathithya Ananth

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Education

University of Toronto Toronto, ON

*Honors Bachelor of Science (Co-op) in **Statistics & Economics*** *Sep 2024 – Aug 2028*

- **Relevant Coursework**: Software Development, Intro to Algorithms, Intro to Data Science, Data structures
- **Clubs and Activities**: Google Developer Group, UofT Swim, UofT Chess

Skills

Data & Programming: Python, SQL, Java, C, JavaScript/TypeScript, HTML/CSS, C#
Analytic Tools: Excel, Tableau, PowerBI, Pandas, NumPy, Scikit-learn, XGBoost, Seaborn
Cloud & Tools: Azure, AWS, GCP, Git, Version Control, Visual Studio, Agile, CI/CD
Soft Skills: Communication, Problem-solving, Collaboration, Time Management, Organized

Experience

Marketing Lead September 2024 – Present

Google Developer Group *Toronto, ON*

- Helped **organize** 5+ tech events with **500+** attendees, increasing applications by nearly 60%.
- Managed projects and helped improve engagement. Analyzed social media data using **Excel** to track growth.
- Took advantage of **communication & leadership skills** to lead weekly meetings.

Projects

Bin Buddy (Hackathon Win) | *SQL, Supabase, React, JavaScript, Python, GeminiAI*

- Built a deployable web application **React, JavaScript** & **Python** that allows users to capture an item photo and receive disposal recommendations with nearby location mapping.
- Implemented a **SQL database** with **row-level security**, using **Supabase** to manage user profiles and item records. Used **buckets** for storing images and related data.
- Integrated **Gemini AI API** with **prompt-engineering** techniques to generate disposal recommendations.
- Used **HTML/TailwindCSS** to design fully functional modern design.

Car Accidents & Manufacturing Data Analysis | *Python, Pandas, NumPy, Matplotlib, Scikit-learn*

- I built a **predictive model** for an Accidents vs Car Safety dataset using **Python**.
- After **cleaning** and **visualizing** given data using **Pandas** and **NumPy** . I applied machine learning techniques such as **Classification**, **Decision Trees** and **XGBoost** to build a predictive model using **scikit-learn**.
- Performed **feature engineering** and **stacking** to improve model accuracy by almost **5%** and tested for cases of **overfitting**.

Fake News Identifier | *Python, Scikit-learn, BeautifulSoup, Pandas, Matplotlib, Seaborn, SQL*

- **Built** a machine learning model to classify fake news using **logistic regression**, **decision trees**, and then **stacking** for better accuracy.
- **Implemented web scraping** with **BeautifulSoup** to extract article text directly from input URLs, followed by data cleaning pre-processing.
- **Visualized** feature importance, class distribution, and model evaluation metrics using **Matplotlib** & **Seaborn**, ensuring better **Data Science** insights.

Ability | *Swift, GeminiAI, Python, SwiftUI*

- Developed a **fullstack** app that generates 3D models through text and image inputs, which then allows users to create custom **3D-printable** assistive devices
- Used **SwiftUI** with a natural language processing such with **Gemini** to power backend for AI text processing, Grok-generated Blender bpy scripts for 3D model generation, and automated .obj file conversion via Blender **Python** scripts.
- Developed and deployed backend services using **Flask API** and **REST API** to serve app data.