

An enthusiastic tech aficionado and problem-solver, I am a pragmatic mathematician who thrives on troubleshooting and enhancing IT systems. With over 2+ years as an IT Analyst, I specialize in **Python, JavaScript, AWS**, with a focus on System Analysis, Application Support, and Data Management. I enjoy being part of a team where technology and problem-solving intersect seamlessly. Beyond the IT realm, I take pleasure in solving intricate puzzles, exploring new hiking trails, and mastering my homemade pizza recipe.

Technologies and Languages

- **Languages:** Python, SQL, JavaScript
- **Business Intelligence:** Power BI, Looker, BigQuery and Tableau
- **Tools:** GIT, MATLAB, Azure, AWS, Snowflake, Docker, MySQL, MongoDB
- **Framework and libraries:** Spacy, Tensorflow, OpenCV, Selenium, beautifulsoup4, PySpark, Django, React

Work Experience

Associate Data Analyst

IA Flow Elements

April 2020 – July 2022

- Enhanced business process efficiency and decision support by collaborating with teams to optimize data workflows and designing tailored Power BI dashboards and **KPI reports**, resulting in improved strategic planning across the organization.
- Established efficiency metrics and automated Excel dashboards using **VBA scripting**, which boosted the productivity and efficiency of designers and CAD technicians by over 25%.
- Boosted data processing efficiency by 40% via custom Python scripts for **ETL automation**, ensuring precise data handling from extraction to in-depth analysis, integrating with AWS cloud.
- Engineered a **predictive model** that utilized machine learning algorithms to forecast sales trends, enhancing decision-making accuracy and contributing to a 15% uplift in sales projections accuracy.
- Led the team to optimize data processing workflows by 30% by migrating to **AWS**, enhancing both data handling efficiency and **system scalability** while also ensuring data accuracy.
- Developed a **Python-based** application with a Tkinter GUI for the marketing team to add and track quotes, integrating with **Power BI** to visually monitor progress and improve quote management efficiency.

CAD Designer

IA Flow Elements

June 2019 – March 2020

- Designed flow elements according to provided specifications using RW Miller software, improving product performance in the oil & gas sector.
- Managed technical quotations, effectively converting quotes to orders, demonstrating strong business communication skills.
- Handled client-centric reporting and documentation, ensuring tailored solutions and high customer satisfaction.

Education

- **Master of Engineering**, Concordia University. 2022 – 2024
- **Bachelor of Engineering**, Anna University. 2015 – 2019

Projects

- **Developed the Notion Ticktick Two-Way Sync Integration:** Engineered an application to enable seamless two-way synchronization between Notion and TickTick, addressing the need to efficiently manage tasks without juggling multiple platforms. This enhancement streamlined personal productivity by integrating these tools into a single workflow

Technologies & Skills learned: Python, API integration, and automation strategies.

- **Developed an Interactive Digital Portfolio:** Constructed a comprehensive personal portfolio using Next.js and JavaScript to create a responsive and interactive web presence. This ongoing project showcases my front-end development skills and backend data management abilities.

Technologies & Skills learned: Next.js, Tailwind-CSS, Framer-motion, shadcn-ui, front-end development.

Awards

- **Awarded Membership in Golden Key International Honor Society:** Recognized for academic excellence by being invited to join this prestigious society, which represents the top 15% of college and university students globally based on scholarly achievements.
- **Received the Rising Star Award in 2020:** Honored for exceptional performance and potential in data analytics within the first year of employment.

Extracurricular

- **Teaching Assistant, Transform Calculus and PDE, Concordia University (Sep 2023 - Dec 2023):** Developed Python simulations to demonstrate concepts like Fourier Series, Laplace Transforms, and PDEs, significantly enhancing student understanding. Led collaborative learning sessions and received excellent feedback, achieving a 20% increase in student satisfaction ratings.
- **Event Organizer, EXPRO Organization:** Successfully coordinated a major technical event during my undergraduate studies, fostering team collaboration and leadership skills in a practical setting.
- **Volunteer, Reading Assistance for Visually Impaired:** Provided support to individuals with visual reading disabilities, enhancing accessibility and contributing to community welfare during my undergraduate studies.