Prithvi Paturi

647-615-2404 | patu3136@mylaurier.ca | Github/paturiii | Linkedin/Prithvi | My Website

EDUCATION

Wilfrid Laurier University — Waterloo, ON
Bachelor of Science in Computer Science, Big Data Systems Concentration — Minor in Math — *Sept 2022 – Current*

EXPERIENCE

CIBC Capital Markets — Toronto, ON
Software Developer Intern — *May 2024 – Dec 2024*

- Developed and maintained high-quality applications using **Python**, **Java**, **JavaScript** and **Azure** for full-stack development and **CI/CD integration**
- Automated daily data pipeline processes using **Apache Airflow**, improving workflow efficiency by **30%**
- **Proposed** and led the development of an **Environment Health Monitoring tool** using **Azure DevOps Pipeline API**, enabling teams to monitor the deployment and runtime status of multiple environments
- Automated **RESTful API** testing using **Postman** and **REST Assured**, improving backend validation efficiency

Fresh Water Foods Inc. — Richmond Hill, ON
Web Developer — *Jan 2024 – April 2024*

- Designed and launched a responsive website, enhancing online presence for potential clients
- Worked directly with the owner to create a user-friendly interface to ensure easy navigation and product display
- Implemented responsive design using **HTML/CSS** and **Bootstrap** ensuring compatibility across various devices and improving user experience

EXTRACURRICULARS

Laurier Grappling Club — Waterloo, ON
Graphic Design — *Sept 2023 – Present*

- Collaborated with club members to establish a cohesive visual identity, ensuring brand consistency across all materials
- Produced high-quality photographs to capture and showcase club events while creating engaging promotional videos, enhancing the clubs' online presence

PROJECTS

Student Sphere DB | *MySQL*

- Engineered a robust relational database system tailored for academic institutions, revolutionizing student record management with intuitive organization and efficiency
- Conceptualized and executed a comprehensive **SQL Schema**, strategically partitioning student data across multiple tables for seamless accessibility and management
- Implemented advanced normalization techniques to streamline the database structure, minimizing redundancy and optimizing data retrieval performance for enhanced user experience

TrackME | *Python, JavaScript, Django*

- Developed a comprehensive expense tracking app with **Django**, enabling users to efficiently manage their expenses
- Created an interactive user interface with **Chart.js**, for visual representation of spending habits and disparities
- Integrated **News API** to deliver tailored personal finance content, enhancing their financial literacy
- Applied **classification and regression algorithms** to detect spending patterns and offer personalized financial insights

TECHNICAL SKILLS

Languages: Python, Java, R, C/C++, JavaScript, HTML/CSS.
Frameworks: React.js, Node.js, Django, Flask
Developer Tools: Jupyter Notebooks, GitHub, AWS, VS Code, Visual Studio, IntelliJ, Eclipse, Azure
Data: MySQL, MongoDB, PostgreSQL
Libraries: Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, PySpark