

Parth Gala

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TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, TypeScript, PHP, Java, C, HTML, C++, C#

Frameworks: React.js, Node.js, Next.js, AngularJS, Vue.js, TailwindCSS, Flask, Django

Databases: MySQL, SQL Server, PostgreSQL, MongoDB, Snowflake

Tools & Platforms: Apache, MS Azure, AWS, Docker, Jupyter Notebooks, Tableau, Android Studio, Power BI, Power Automate, Git

Libraries: NLTK, Scikit-Learn, Matplotlib, TensorFlow, PyTorch, Keras, Seaborn, OpenCV, Pandas, NumPy

EDUCATION

University of Windsor

Sep 2021 - Jun 2025

Bachelor of Computer Science Honours (Co-op), Specialization in AI and Minor in Mathematics

Windsor, ON

EXPERIENCE

Full Stack Software Developer Co-op

Sep 2023 - Aug 2024

Ground Effects Ltd.

Windsor, ON

- Developed and optimized web applications using TypeScript and JavaScript with Node.js backends, as well as applications with PHP-based server-side architectures
- Designed and maintained data pipelines supporting 3+ cross-functional teams, by leveraging complex SQL queries and stored procedures for efficient data extraction and transformation
- Implemented high-performance, scalable RESTful APIs that enhanced system performance and decreased response times by 25%
- Automated workflows using Azure and AWS cloud solutions to perform routine tasks, reducing manual effort by almost 80%
- Created Power BI dashboards consolidating cross-team data, enabling actionable insights that increased project throughput by 15%

Software Developer Intern

May 2022 - Aug 2023

Malad Gas Service, BPCL

Mumbai, India

- Built a scalable service management portal using Next.js and Node.js, enabling employees to schedule and monitor gas deliveries digitally, which increased operational efficiency by 35%
- Implemented a Flask-based REST API to centralize customer requests and automate service bookings, cutting manual errors by 30%
- Created a data synchronization pipeline that integrated data from SQL Server into a unified dashboard, eliminating inconsistencies and reducing reconciliation time by 50%

Teaching Assistant

Jan 2023 - Apr 2025

University of Windsor

Windsor, ON

- Planned and facilitated labs for 30+ students for courses in Computer Science and provided personalized feedback
- Liaised with professor regarding development opportunities, challenges and assisting with lectures for students
- Coordinated grading and assessment of 25+ students' work, including assignments, quizzes, and tests

PROJECTS

Text Analyzer App

- Engineered a full-stack platform using TypeScript, Flask, and Python, leveraging large language models for real-time summarization, paraphrasing, translation, and sentiment analysis with over 95% accuracy and optimized low-latency performance

Real-Time Market Data Forecasting

- Built a real-time market trend prediction system in Python with machine learning and deep learning models, focusing on rigorous performance evaluation to maximize accuracy while collaborating in a team of 3

Expense Tracker App

- Led a team of 4 to design and develop an Android application using Java and Firebase that enables seamless expense management and monitoring, with automated PDF statement generation through a custom API, earning a project score of 99%

E-commerce Website

- Designed and developed an e-commerce platform using HTML, PHP, JavaScript, and MySQL with secure user authentication, full CRUD functionality, and an intuitive shopping cart and checkout system, enhanced with real-time inventory management and order tracking features for improved user experience