

Parth Gala

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TECHNICAL SKILLS

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

Frameworks: React.js, Node.js, Next.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 – Apr 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

- Designed and optimized full-stack web applications using TypeScript and JavaScript across both client and server sides, leveraging Next.js and Node.js, as well as PHP-based backend systems
- Developed 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%

Data Science Intern

May 2022 - Aug 2023

Malad Gas Service, BPCL

Mumbai, India

- Applied machine learning techniques to analyze customer data and forecast service demands, enabling the team to implement targeted strategies that improved sales and customer service efficiency by over 30%
- Performed exploratory data analysis (EDA) on over 500,000 records from disparate sources, uncovering consumption trends and reducing data preprocessing time by 45% through automated cleaning scripts
- Developed interactive dashboards in Tableau and documented data workflows to monitor key metrics, reducing data errors by 25% through timely anomaly detection and alerts

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 | *JavaScript, Flask API, Python, Deep Learning, NLP, Machine Learning*

- Collaborated on developing a high-performance text analyzer app that delivers real-time summarization, paraphrasing, translation, and sentiment analysis with more than 95% accuracy

Real-Time Market Data Forecasting | *Python, AI, Machine Learning, Deep Learning*

- Built a real-time market trend prediction system in a team of 3, using machine learning and deep learning models, with a focus on performance evaluation for improved accuracy achieving a final grade of 100%

Expense Tracker App | *Java, Firebase*

- Led a team of 4 to develop an intuitive android expense tracker app, enabling users to effortlessly manage and monitor their expenses while generating detailed monthly PDF statements through a custom API scoring 99%

E-commerce Website | *HTML, PHP, JavaScript, MySQL*

- Designed an e-commerce website with secure user authentication, CRUD operations functionality, intuitive shopping cart and checkout controls

Connect Four Game | *C, CLI*

- Devised and built a command line version of a game called Connect Four, where two players compete against each other and first one to get a four in a row wins