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, SSRS, Power BI, Power Automate, Git
Libraries: NLTK, Scikit-Learn, Matplotlib, TensorFlow, PyTorch, Keras, Seaborn, OpenCV, Pandas, NumPy

EXPERIENCE

Full Stack Software Developer Co-op   Sep 2023 - Aug 2024
Ground Effects Ltd.   *Windsor, ON*

- Developed and optimized full-stack web applications by designing front-ends with TypeScript, JavaScript and Next.js, and building back-end services using Node.js alongside PHP server-side architectures
- Designed and monitored data pipelines supporting 3+ teams using SQL Server, leveraging complex SQL queries and stored procedures to ensure efficient ETL and report generation with SSRS
- Deployed and documented high-performance, scalable RESTful APIs, achieving 99.9% system uptime and supporting 300+ daily internal users
- Automated 5+ operational workflows using Power Automate, Azure and AWS cloud services, eliminating over 20 hours of manual effort per week
- Centralized distinct team data into Power BI and Tableau dashboards, providing useful insights that increased overall project throughput by 45%

Software Developer Intern   May 2022 - Aug 2023
Malad Gas Service, BPCL   *Mumbai, India*

- Deployed a scalable JavaScript, Next.js and Node.js service management portal to digitize gas delivery scheduling and tracking for 150+ daily gas delivery routes
- Implemented a Flask-based REST API to centralize customer requests and automate service bookings, reducing manual errors by 30%
- Engineered a data synchronization pipeline to integrate PostgreSQL data into a unified dashboard, eliminating inconsistencies and improving data transparency by 50%

Teaching Assistant   Jan 2023 - Apr 2025
University of Windsor   *Windsor, ON*

- Facilitated technical labs for 40+ students in Computer Science, clarifying complex concepts and providing personalized code feedback
- Coordinated the grading of 25+ students' technical work, including challenging programming assignments and examinations

EDUCATION

University of Windsor   Sep 2021 - Jun 2025
Bachelor of Computer Science Honours (Co-op), Specialization in AI and Minor in Mathematics   *Windsor, ON*

PROJECTS

Text Analyzer App

- Engineered a full-stack platform using Next.js, TypeScript and Flask API, integrating LLMs for real-time summarization, paraphrasing, translation, and sentiment analysis with 95% accuracy

Real-Time Market Data Forecasting

- Built a real-time market trend prediction system in Python using machine learning and deep learning models, focusing on rigorous performance evaluation in a 3-person team

Expense Tracker App

- Led a 4-person team to design an Android application using Java and Firebase that enables intuitive expense tracking and automated PDF statement generation, earning a project score of 99%

E-commerce Website

- Developed an e-commerce platform using HTML, PHP, JavaScript, and MySQL with secure user authentication, real-time inventory management and checkout