NAKUL PATEL

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EDUCATION

Wilfrid Laurier University   **Expected Graduation: April 2027**
Bachelor of Computer Science (BCS) and Bachelor of Business Administration (BBA)   *Waterloo, ON*
- Courses: Software Engineering, Artificial Intelligence, Operating Systems, Algorithms and Analysis I, Data Structures I and II, Machine Learning, Computer Networks, Database I, Discrete Structures, and Object-Oriented Programming

WORK EXPERIENCE

Multiverse Computing — *Machine Learning Engineer Intern*   **Sep 2025 – Dec 2025** | Toronto, ON
- Incoming intern leveraging ML to develop predictive models, employing **Python** along with libraries like **scikit-learn** and **TensorFlow**, while collaborating with quantum specialists on in **LLMs**, **tensor networks**, and **quantum optimization**.

Definity Financial Corp. — *Automation Developer Intern*   **Jan 2025 – Apr 2025** | Waterloo, ON
- Developed and maintained automated test scripts for mobile and web applications using **Java**, **JavaScript**, and **XML**, increasing test coverage by **35%** and reducing manual testing efforts by automating repetitive test cases
- Integrated test suites into **CI/CD pipelines** with **Git**, reducing regression testing time by **40%**, enhancing deployment efficiency, and minimizing the risk of production defects through continuous validation and automated quality checks
- Automated **JIRA** query extraction using **VBA**, streamlining sprint and release reporting by calculating key performance metrics and efficiency indicators, driving a **25% improvement** in release planning accuracy and cross-team visibility

Greater Stouffville Chamber — *Data Analyst Intern*   **May 2024 – Aug 2024** | Stouffville, ON
- Conducted in-depth analysis of chamber operations using **ChamberMaster**, uncovering key trends that increased report accuracy by **15%** and provided data-driven insights to optimize event planning and community engagement
- Automated recurring reporting tasks by integrating **SQL** queries with **VBA** scripts, streamlining data processing workflows and enabling leadership to make faster, more informed strategic decisions
- Developed interactive dashboards with **Power BI** and automated ETL pipelines using **Python (Pandas)** and **SQL**, enabling real-time analysis of membership trends and driving a **20% improvement** in operational efficiency

Riipen Networks Inc. — *Software Developer Intern*   **Jan 2023 – Apr 2023** | Toronto, ON
- Developed a cross-platform web application using **Node.js** for backend services and **Xcode** for mobile testing, collaborating with senior engineers through pair programming, Sprint planning, and UAT
- Engineered and optimized core UI components with **React.js** and **JavaScript**, improving cross-platform compatibility and enhancing user experience, which led to a **20%** improvement in interface responsiveness
- Automated key ad-hoc tasks by developing scripts in **Python** and **Java**, optimizing grading system efficiency for examinations using a RegEx-based algorithm

PROJECTS

Flux - Stock Predictor Model | *GitHub*   **ReactJS | TypeScript | Tailwind CSS**
- Developed a full-stack ML application that predicts stock price movements using historical data and financial indicators, built with **ReactJS** and **TypeScript**, achieving improved accuracy through **time-series models** and **walk-forward cross-validation** with dynamic chart visualizations for users.

Paw'D - Doggy Care App | *GitHub*   **Python | React Native | SupaBase**
- Working with a team to design a full-stack app with a **Python** backend and **React Native** frontend to enable dog owners to register their pets and receive automated vaccine reminders, featuring **notification systems** and **user authentication**.

CERTIFICATIONS

JP Morgan Chase Co. | *Software Engineering Virtual Experience Program*   **Jan 2025**
- Developed an interactive interface using **Perspective** and **Python** to provide live **stock price data** with a **live line graph**, improving data accuracy by **20%** and enabling real-time insights for informed investment decisions.

TECHNICAL SKILLS

Languages: Python, Java, VBA, SQL, HTML5, CSS, JavaScript, C, C++

Developer Tools: AWS, Azure, Docker, Git, Jira, Power BI, GitHub, CircleCI, Gradle, Linux/Unix

Libraries/Frameworks: ReactJS, NextJS, NodeJS, Supabase, FastAPI, Pandas, Scikit, Tensorflow

Hard Skills: Artifical Intelligence, Machine Learning, CI/CD Piplelines, RESTful APIs, Cloud Architecture, Automation

Interests: Music, Chess, Gym, Basektball, Travelling, Superheroes, Video Games, Meditation, Hiking