

Khushaal Nandwani

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An adaptable and mature software developer, with high respect for clean and organized code.
Looking for Full Time Developer roles. Most of my work is available to be viewed on request.

SKILLS

- **Languages:** Python, C, SQL, Assembly, Javascript, TypeScript, HTML, CSS, Java
- **Frameworks/Tools:** Vue, Flask, Django, ReactJS, React Native, Angular, Tailwind, NgRx, Docker, TypeScript, NumPy, Pandas, Matplotlib, AWS, Cypress, Selenium, Git, AutoIt, MongoDB, Jira
- **Technical Skills:** SaaS, Agile, Clean Coding, SOLID Principles, Algorithms, OOP, Unit and Web Testing, Desktop

EDUCATION

- **University of Toronto** Toronto, ON
Bachelors of Science; GPA: 3.56 *Sept 2020 - Dec 2024*
Major in Computer Science with Minors in Statistics and Economics
Scholarship of 100,000 CAD and Dean's Scholar for 2021, 2022, 2024

EXPERIENCE

- **Tripta Innovations Pvt Ltd** Surat, India
DevOps and Software Developer *May 2024 - Present*
 - **Proxy Server:** Created a proxy server using Python and Flask to monitor the network traffic of the company's internal webapp.
 - **Web App Development:** Completely developed a web app from ground up for the company's internal customer requests management using Angular, SQL Server, and C#.
 - **Desktop Automation Testing:** Increased the speed of the company's automation testing using AutoIt by over 7 times. Created the framework, designed, and led the testing team in writing tests for the accounting software.
- **ExperiencePoint** Toronto, ON
Software Developer Co-op *May 2022 - April 2023*
 - **Frontend Development:** Led frontend development of a web app for clients to book workshops using Angular. Employed ReactiveForms, NgRx, Cypress, Karma, and Jasmine.
 - **Data Analysis:** Analyzed company's sales data to answer pressing questions of product owners and determine characteristics of profitable customers using Pandas, NumPy, and Plotly over a dataset of 10,000+ entries.
 - **Product Development:** Developed one of the core products using Angular, Nest, Automerge, Tailwind, Symfony PHP technologies in an agile environment.
 - **Testing:** Wrote well-documented end-to-end tests for an internal webapp in PHP Symfony Web App, along with Jest unit tests for Nest backend framework and automation tests using Cypress for other products.
 - **Website Maintenance:** Developed and maintained the company's website using WordPress and Hubspot, along with custom plugins.

PROJECTS

- **Learning Engine for PHC:** Developed a learning engine API using Llama, Flask, MongoDB, and Python for PHC (Project Human City) to help teachers create quizzes and tests.
- **Frogger Game:** Developed a remake of the arcade Frogger game using Assembly and the MIPS simulator, including functions, loops, keyboard input, and sound.
- **Toilet Paper Tracker:** Created a hardware project using Arduino and Python to detect and notify when toilet paper runs out; won Best Hardware Hack award at TartanHacks 2021.
- **Question Suggester:** Built a machine learning algorithm using Python, Matplotlib, and SciPy to predict student performance on diagnostic questions, implementing KNN, Item Response Theory, and Neural Networks.
- **Raffle Manager:** Developed a Java application for managing raffles, hosted on AWS with MySQL, and followed SOLID principles and design patterns.

ACTIVITIES

- **Tabla Visharad:** Completed a 7 year course in Tabla, Indian Percussion Instrument.
- **Tornad Club:** Founded and led a mathematics club in my city with over 25 members.
- **Sujok Accupressure:** Completed Sujok Accupressure course and taught it to over 30 students at a non-profit school
- **Physical Health:** Gyms regularly. For fun, I play Volleyball, Table Tennis and swim.