Nikhil **Yates**

Education

Computer Science, York University — Hons BSc, B.E.S.T Certificate *Expected May '24*

Experience

UI/UX Developer — ScorpionLabz *August 2023- Present*
- Follow an efficient development process to combine client business goals and site designs
- Cultivate brand appeal with unique design patterns, front/back end engineering, maintenance, and analytics
- Design effective, flowing websites with tailored knowledge in graphic design, React, HTML, CSS, JS, Wix

Private Equity Analyst (Contract) — Define Capital *May 2023 - August 2023*
- Sourced high performing SaaS and software company profiles inline with our investment criteria, evaluated financials and related data, developed 3-statement financial forecasts, and engaged in acquisition negotiations
- Performed continuous industry research within vertical and horizontal markets, scored markets based on current and projected attractiveness by using proportional market-leader benchmarks
- Reviewed weekly CIMs on target companies, highlights, new market insights and areas of opportunity and risk
- Built a comprehensive web scraping application that halved target identification time for analysts on the team

Software Developer (Contract) — Essence CubeSat Mission, York University *October 2021 - January 2022*
- Efficiently produce solutions for tasks handled by the CubeSat onboard computer
- Work with embedded systems and configure Real Time Operating System (RTOS) for microcontrollers
- Present progress updates to team members and coordinate task scheduling with supervisor on a weekly basis

IT Support Technician — Omira Group *Sept 2021 - April 2023*
- Diagnosed and troubleshooted network issues through strategic use of network utility tools
- Implement data sharing/storage processes, network attached storage (NAS) solutions to improve work flow
- Monitor hardware/software functionality; perform replacements/repairs, software configuration on 14+ devices

Professional Athlete — A.S.D G.C Sora, Italy *November 2018 - May 2019*

Repertoire

Large Language Models Based Test Case Generation — Research Project, York University *Sept 2023 - Present*
- Led by a distinguished professor in the Electrical Engineering and Computer Science department, this project follows a collaboration with Meta, and explores different use cases of LLMs in building high-quality, automated test case generation systems for robust, complete software development
- Deep learning techniques, working with python (NLTK libraries), YAML, comprehensive project documentation

AllergenApp — Software Project/Startup *Sept 2023 - Present*
- Full stack software development on a web-application to help servers in the food industry accurately accommodate guests with allergies and sensitivities for a major restaurant brand
- Built with React, JavaScript, Java, we employ best relational database practices (SQL), a predictive text engine, and secure data access
- Employing strong lean-startup ideation: problem identification, solution analysis and pivot, and preparing for the transition from a minimum viable to whole product

Blockchain and Cryptocurrency Project — Project *Completed Spring 2022*
- Developed in nodeJS, this project follows blockchain programming principles and simulates the backend (server-side) of a cryptocurrency; documenting transaction history/details, maintaining a ledger, and security stops
- Backend communication using JSON