

# Pasindu Danthanarayana

pasindud.com

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GitHub: github.com/pasindu651

## EDUCATION

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- **University of Waterloo**

*BASc, Computer Engineering;*

Waterloo, ON

*Sept 2024 – June 2029*

## EXPERIENCE

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- **Nokia**

*Future Tech Intern*

Kanata, ON

*Jul 2023 – Aug 2023*

- Developed **Radish-bdd** and **Selenium** scripts to automate the testing of a Cloud Managed SD-WAN service, improving the dependability of page elements and API requests
- Leveraged **cucumber reports** to identify and resolve failures in feature files, improving the efficiency of test steps
- Introduced configuration tools like **JSON** to index HTML element IDs for Selenium, reducing redundancy and streamlining the automation workflow for large-scale testing
- Reviewed **Jenkins** pipelines to troubleshoot build issues and report findings to my mentor, ensuring successful deployments

- **Project Tech Careers**

*Sponsorship Officer*

Ottawa, ON

*Oct 2023 – Aug 2024*

- Cold emailed **33+ companies** ranging from local startups to established tech firms
- Wrote well-researched and **personalized** sponsorship invitations, attracting enthusiasm for PTC's initiative to educate youth about Big Data
- Resolved scheduling conflicts between regional leads and sponsors through effective **negotiation**
- Collaborated with a graphic designer to draft sponsorship packages, crafting a professional and **engaging** impression
- Secured sponsorship offers from top companies such as **Google Cloud** and **The Knowledge Society (TKS)**
- Worked with regional leads to organize an annual conference and hackathon

## SKILLS

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- **Languages:** C++, Python, Javascript, HTML/CSS
- **Tools:** Jira, Confluence, VSCode, IntelliJ, Git
- **Technologies:** ReactJS, Django, MongoDB, NodeJS, ExpressJS

## PROJECTS

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- **mindfulAI**

*A productivity app that optimizes schedules using AI*

- Developed a React application that leverages AI to seamlessly organize and schedule tasks
- Implemented a secure authentication system with password encryption and hashing, and stored user information in server-side sessions
- Integrated GPT-4o model to determine the optimal time to schedule a user's task based on their existing schedule
- **Tools/Libraries:** ReactJS, MongoDB, ExpressJS, NodeJS, PrimeReact, OpenAI API.

- **Go-kart ECU**

*An ECU/infotainment system for a go-kart dashboard*

- Developed a user-friendly 180 degree collision detection system which automatically triggers the rear-view camera when obstacles are near, improving safety
- Made the buzzer frequency adaptive to the proximity from obstacles, with the music volume changing accordingly
- **Tools/Libraries:** PyQt, Raspberry Pi, gpsd.

- **Real Estate Data Analyzer**

*A real estate web scraper*

- Scrapes real estate listings to find data about a user-specified city in Canada
- Condenses the data into a user-friendly datatable which is available to download as a CSV
- Visualizes the data as a scatterplot and linear regression based on a user-selected x-variable
- **Tools/Libraries:** Streamlit, sklearn, Selenium, Plotly, BeautifulSoup.