

Aditya Keerthi

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Summary of Qualifications

- Highly **adept** software engineer with experience in development and integration of software and web technologies
- Seeking to leverage passion for software engineering, working knowledge of tools such as **Python, Node, Jest**
- Familiar with the **Software Development Life Cycle (SDLC)** and experienced with **Git/Github, Docker, GCP, Jira**
- **Creative** professional with **great communication** skills with the ability to work well in a team with a **growth mindset**

Experience

Feroot Security, QA Engineer Intern

Aug 2022 – Sept 2022

- Developed **automated unit tests** with **83% test coverage**, using **TestingLibrary** and **Jest**
- Learned **Agile development** through sprints, focused on developing front-end features in **Vue**
- Participated in **Scrum**, building **communication** skills by presenting **creative** ideas to colleagues

Feroot Security, Software Engineering Intern

July 2021 – Sept 2021

- Built user documentation with **DocsifyJS**, providing technical support for future clients
- Created a tool with **JavaScript** that reports external scripts that track mouse movements
- Shipped and managed software development using **Gitflow, Docker, and Jenkins**

University of Waterloo

Research Intern

Nov 2020 – June 2021

Project – [NeuroPET-M: A Multimodal PET Scan Platform as a Novel Diagnostic Tool for Neurodegenerative Diseases](#)

- Researched PET scans and **innovated** the analysis of **PET scans** in medical practice
- Analyzed and **built a correlation** between the **frequency of biomarkers** and **brain diseases** such as Alzheimer's

Projects

NeuroPET-M, International Science and Engineering Fair, Top 22 in Canada

- Created software that maps **multiple biomarkers** in the brain and **efficiently** visualizes it for doctors and neurologists
- Used concepts such as **multithreading, image processing, and color difference** to reduce runtime to approx. **2 min**
- Implemented **image processing** methods with **Python** and **Plotly** to effectively visualize biomarkers in the 3D brain

NoDeSQL, TOHacks & DistanceHacks

- A database service acting as a web application that allows users to manage a decentralized database
- Developed the backend server with **Node, Express, IPFS** imitating a normal **NoSQL database**

PeerPool, MasseyHacks VI

- A decentralized ride sharing application with virtually no middleman fees, and trustless smart contracts to manage liability for the workers as well as the riders, all done autonomously
- Developed the backend server with **Node, Express, IPFS** and integrated several **React** components

Education

University of Waterloo, Honours Software Engineering (BSE), Co-op

- President's Scholarship of Distinction, Colonel Hugh Heasley Entrance Scholarship
- Developer on [ReviewKit](#) – Maintain full-stack of the application, with **Node, React, and AWS**