

# Kavindu Jayasooriya

✉ kavindujayasooriya@gmail.com   in kavindu-jayasooriya   📍 Kurunegala, Sri Lanka   ☎ +94715686363

## PROFILE

As a Computer Engineering graduate with a strong background in software development, I am eager to apply my skills and experience to contribute to Canonical's Store team. I am passionate about open-source software and have a proven track record in Python and web services development.

## SKILLS

**Programming Languages** (Python, C, Java, JavaScript/TypeScript, SQL),  
**Tools and Technologies** (React.js, Node.js, Redwood.js, GraphQL, Docker, Maven, JUnit, Git),  
**Web Services and APIs, Agile Development, Relational and Non-relational Databases,**  
**Linux (Ubuntu) Development and Deployment, Problem Solving and Troubleshooting,**  
**Team Collaboration**

## PROFESSIONAL EXPERIENCE

**Software Engineer | Remote, CyAmast Pty Ltd** 12/2022 – 05/2023 | Sydney, Australia  
• Developed network protocol schemas for precise network packet classification.  
• Created knowledge updater framework for real-time data maintenance.  
• Implemented scheduled cron jobs for continuous updates with zero downtime.  
• Conducted remote work with a globally distributed team.

**Full Stack Developer | Remote, Draivi Media Oy** 06/2023 – 09/2023 | Helsinki, Finland  
• Translated non-technical client requirements into actionable development plans.  
• Successfully delivered minimum viable products on time.  
• Utilized Redwood.js and Firebase for web development and authentication.

## PROJECTS

**Telemedicine Platform, MERN Stack, Redux, Selenium, Azure** 07/2021 – 07/2022  
cloud computing services, Git ☑  
• Implemented peer-to-peer video chat using WebRTC.  
• Configured coTurn server for video chat reliability.  
• Created real-time text chat using Socket.io.  
• Developed the back-end RESTful API with Express.  
• Conducted end-to-end testing with Selenium and unit testing with Jest.

**Compiler for COOL language** 01/2022 – 04/2022  
COOL, C++  
• Designed and implemented a compiler for the COOL language.  
• Implemented lexer, parser, semantic analyzer, and code generator.  
• Successfully tested individual components.

**ML Based Industry Performance Analysis System** ☑ 02/2022 – 07/2022  
Python, scikitlearn, tensorflow, FastAPI, React  
• Utilized agile scrum methodology for product development.  
• Worked with a scrum team on a performance analysis system.  
• Developed performance dashboard visualizations.

**Novel compression methods for nanopore raw data,** 06/2023 – present  
Bash, C, python, R  
• Investigated compression methods for raw data.  
• Achieved a compression ratio of 4.93 with minimal accuracy loss.

## EDUCATION

**B.Sc. (Hons) Engineering, Specializing in Computer** 11/2018 | Peradeniya, Sri Lanka  
**Engineering, University of Peradeniya**  
GPA: 3.75/4.00

## REFERENCES

**Proff. Roshan Ragel**, Head of the Department, Dept. of Computer Engineering, University of Peradeniya  
roshanr@eng.pdn.ac.lk

**Dr. Asitha Bandaranayake**, Senior Lecturer, Dept. of Computer Engineering, University of Peradeniya  
asithab@eng.pdn.ac.lk