Vishnu Satish

Software Developer · Grade 11 Student

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Summary

I am an enthusiastic and driven high school student with a passion for STEM and software development. My skills include full-stack development, app development, and data structures and algorithms.

Work Experience

Slang Labs (Google-backed startup)   *Remote*
Software Developer Intern   *December 2021 - March 2022*

- Architected, designed, and developed a web app integrating the Slang Voice Assistant
- Participated in meetings with senior team members and received and implemented feedback
- Developing a client-side online grocery marketplace using React
- Utilized Redux Toolkit to store the cart's items and the user's order history
- Created the UI using Material-UI and used Flexbox and the Grid system to make the UI responsive

University of Waterloo   *Waterloo, Ontario, Canada (Remote)*
Software Engineering Intern   *July 2021 - August 2021*

- Worked under Dr. Mei Nagappan to develop a platform for the Software Architecture Group (SWAG) at the Cheriton School of Computer Science at the University of Waterloo
- Conceptualized the design and architecture in collaboration with four professors and over 30 graduate/research students
- Created a process for storing data and defining relationships in XML
- Wrote a modularized Python script to generate static HTML from Jinja templates that utilized the XML data
- Customized Bootstrap using Sass
- Website link: https://www.swag.uwaterloo.ca/www

Skills

Programming	Python, C++, Java, Node.js, SQL, Data structures and algorithms
Back-end	Flask, Express.js, Jinja, SQLAlchemy, REST APIs
Mobile	NativeScript, Flutter
Front-end	React, Redux, JavaScript, HTML, CSS, Sass
Other	AWS, Ubuntu, Linux
Languages	English, Marathi, Kannada

Honours & Awards

Feb. 2022	**Honour Roll and top 5% (Score: 40/75)**, Canadian Computing Competition	*University of Waterloo*
Dec. 2021	**161 points and top 23% (won a BugJar)**, BugBust re:invent	*Amazon Web Services*

Education

The Woodlands Secondary School   *Mississauga, Ontario, Canada*
High School - Gifted Program, Grade 11   *September 2019 - July 2023 (expected)*

References

Dr. Mei Nagappan   *Associate Professor*
mei.nagappan@uwaterloo.ca   *University of Waterloo*
Christopher Heathfield   *Head of Curriculum*
christopher.heathfield@peelsb.com   *The Woodlands School*