

Shreya Rai

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EDUCATION

Dalhousie University

Bachelor in Computer Science (co-op)

Halifax, NS

Jan. 2023 – Present

Temasek Polytechnic

Diploma in Information Technology

Singapore

Apr 2019 – Apr 2022

EXPERIENCE

Deep Learning Student Developer

The National Environment Agency

Nov 2021 – Feb 2022

Singapore

- Trained, tested and built custom deep learning algorithms for precise cigarette classification and smoking action detection to enhance the residential neighbourhood's environment and address concerns.
- Integrated the machine learning model with Raspberry Pi for real-time monitoring and instant alerts to social media platforms.
- Presented project findings to stakeholders of the National Environment Agency Singapore, showcasing the smoking detector's potential for community improvement.

Web Designer Intern

Pixel Mechanics

Jun 2021 – Nov 2021

Singapore

- Managed projects and successfully launched websites for over 10 local businesses using HTML5, CSS, JavaScript and WordPress.
- Transformed client websites by designing dynamic and interactive websites, design styles and user interfaces to increase SEO and user engagement.
- Created presentations and conducted one-on-one trainings with clients.

PROJECTS

QuickCash | Java, Google Realtime Database, Git

Jan 2024 – Apr 2024

- Developed an Android app for finding paid work in a local area in a six-person Agile team.
- Implemented and optimized the backend using Realtime Database for saving user details.
- Wrote comprehensive JUnit and Espresso tests, ensuring reliability and functionality across various app features.

Urban Angels | Angular, JavaScript, MongoDB

Apr 2020 – Jul 2020

- Developed a full stack clothing e-commerce website with CRUD functionalities.
- Integrated database with MongoDB for efficient data storage and retrieval.

B3ats Music Application | Java, MySQL

Apr 2019 – Jul 2019

- Developed an android music application integrated with mySQL database.
- Implemented features such as login, music playback, theme customisation and search functionality, enhancing the user's music listening experience.

TECHNICAL SKILLS

Languages: Java, Python, C, C#, SQL (MySQL), JavaScript, HTML/CSS

Frameworks: Angular, ASP.Net, Bootstrap, Ionic, React, Selenium, WordPress

Developer Tools: Android Studio, Git, Google Cloud Platform, IntelliJ IDEA, Jupyter Notebook, KNIME, Microsoft PowerBI, MongoDB, PyCharm, SAS Enterprise Miner, Tableau, VS Code

VOLUNTEER

Canadian Celebration of Women in Computing

CAN-CWIC representative

Nov 2023 – Nov 2023

Toronto, ON

- Engaged with event attendees, fostering a welcoming and inclusive environment to encourage networking and collaboration among women in the computing industry.

World Vision

Student volunteer

Feb 2021 – Apr 2021

Singapore

- Planned activities and organized virtual sessions for 10 youths from Cebu, Philippines.
- Designed teaching materials and led a session on the fundamentals of building a website with HTML and CSS.