Gurvir Singh

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EDUCATION

Honours Bachelor of Computer Science - Trent University (Oshawa, ON)   *Exp. Graduation Dec. 2024*

Ontario Advanced Diploma in Software Engineering Technology (Co-op)   *Jan. 2020 – Dec. 2022*
Centennial College (Scarborough, ON) - 4.3/4.5 GPA - High Honours

WORK EXPERIENCE

Media Developer (Co-op/Internship)   *Sep. – Dec. 2021 & May.– Aug. 2022 & May - Aug. 2023*
 Pearson Canada (Toronto, ON)

- Developed front-end web applications using **HTML**, **CSS**, **JavaScript**, and **Node.js**, enhancing bug tracking and validation processes for EPUB files.
- Conducted QA testing and bug fixing on over 50 Higher Ed titles, utilizing **Bitbucket** and **Jira** for efficient project management.
- Directly collaborated with content producers to enhance **Accessibility** for both existing and new content.
- Worked in a SCRUM environment, effectively communicating progress and challenges.

IT Help-Desk Support (Co-op)   *Jan. 2021 – Apr. 2021*
Centennial College (Scarborough, ON)

- Provided technical assistance and resolved Help Desk tickets promptly, ensuring smooth operation of computer systems.
- Installed, configured, and maintained software on computer systems, conducting regular inspections of IT assets.

SKILLS

Programming: Python | C# | JavaScript | Java | SQL

Web & Database: HTML | CSS | MySQL | MongoDB | Node.js | React | Angular | Bootstrap

Tools: Visual Studio | Tableau | Power BI | Jira | Git | Docker | AWS | MS Azure | SharePoint | MS Office

PROJECTS

Movie Planet (Web API Project) - Designed and developed scalable microservice architecture **.NET** web APIs using **AWS RDS, Docker**, and later published to AWS **Elastic Beanstalk**. Built an **ASP.NET MVC** web application to consume APIs through **CRUD** operations on movies dataset. Included an intuitive interface using images and resources, along with links to a specific movie and the ability for users to download the trailer, post a comment and rate it.

LiteGram (Social Media Platform) – Designed and coded a web platform with social networking functionality (signup/login, post, follow, like, comment) using **React**, **HTML**, **CSS** and **Firebase**. Applied **Agile** and Software Development Lifecycle methodologies along with Design Thinking techniques.

Toronto Bicycles Theft (Predictive Analytical Model) – Performed data cleaning and analysis on the Toronto Bicycles Theft dataset through Python packages (pandas, NumPy etc.). Built **Logistic Regression** and **Decision Tree** models along with evaluation through Confusion Matrix and ROC curves. Used **Flask** to create API for model and tested it through **Postman**. Delivered a solution that analyzes new records and predicts bicycle theft probability to aid Toronto Police Service in identifying high-risk neighborhoods.