Gurvir Singh

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EDUCATION

Honours Bachelor of Computer Science - Trent University (Oshawa, ON) *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 and maintained web applications using **HTML**, **CSS** and **JavaScript** improving efficiency in tracking and validating EPUB files.
- Conducted **QA testing**, fixed bugs, and enhanced over 50 Higher Ed titles using **Bitbucket** and **Jira**.
- Collaborated with content producers to implement **accessibility enhancements** for new and existing content.
- Participated in **Scrum development cycles**, delivering regular updates and resolving blockers in collaborative team environments.

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

- Provided technical support and resolved help desk tickets, ensuring smooth operation of computer systems.
- Installed, configured, and maintained software, conducting regular inspections and updates to IT assets.

SKILLS

Programming: JavaScript, C#, Python, SQL, Java, Typescript
Web & Database: HTML, CSS, Bootstrap, React, Node.js, MySQL, MongoDB, Firebase, NoSQL
Tools: Visual Studio, Docker, AWS, Azure, Git, GitHub, Jira, Tableau, Power BI, SharePoint, Bitbucket
Practices: Agile, Scrum, SDLC, CI/CD Development, Peer Code Reviews, RESTful APIs

PROJECTS

Movie Planet (Web API Project) - Designed and implemented a scalable microservices architecture using .NET and AWS RDS. Created RESTful APIs to support CRUD operations, integrated with an ASP.NET MVC front-end application. Deployed using AWS Elastic Beanstalk and leveraged Docker for containerization. Built user-friendly features like video trailers, user ratings, and commenting.

LiteGram (Social Media Platform) – Designed and built a responsive social networking platform with React, HTML, CSS, and Firebase. Implemented core features like user authentication, posts, comments, and likes, leveraging Agile and SDLC methodologies. Delivered a robust, scalable solution following Design Thinking principles.

Toronto Bicycles Theft (Predictive Analytical Model) – Conducted data analysis and preprocessing on the Toronto Bicycle Theft dataset using Python (pandas, NumPy). Built predictive models (Logistic Regression, Decision Trees) and evaluated performance via Confusion Matrix and ROC curves. Deployed the model using Flask APIs, tested through Postman, and delivered actionable insights for law enforcement.