Harjobanpreet Singh Sidhu

Web Developer | Software Engineer

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TECHNICAL SKILLS

PROGRAMMING LANGUAGES	C, C++ (OOP), JavaScript (ES6), HTML5, CSS3, Java, Python
WEB TECHNOLOGIES	React JS, REST API, Sass, Redux, Node JS, Express JS, PHP, WordPress, CSS, CRUD operations, MERN, *ASP.NET, jQuery, AJAX, MVC, Cookies, Postman, Handlebars, Full-stack, front-end, back-end, Responsive web design, TypeScript, JSON, JavaScript libraries, Authorization, Authentication, Web Accessibility, optimization, configuration, UI layouts
DBMS (DATABASE MANAGEMENT)	MySQL, NoSQL (MongoDB, Mongoose ODM), PL/SQL, PostgreSQL, Queries on stored procedures
TOOLS AND OTHER SKILLS	Git, GitHub, VS Code, Visual Studio, Visual Paradigm, Linux, Troubleshooting, Oracle, MS Excel, MS Project Management, Word, MS PowerPoint, SharePoint, Data Analysis, Unix, Web security, Docker, Cloud technology (Azure), PowerShell (scripting), Outlook.
INDUSTRY SKILLS	Agile methodology (SCRUM), Azure DevOps, CI/CD practices, SDLC, Shell scripting, Systems development, Debugging, Unit-testing, Error handling, Web hoisting, Jenkins, Confluence, AWS (Amazon Web Services)

EDUCATION

Bachelor of Computer Information System   **(2022-present)**

University of the Fraser Valley
- GPA: 4.21 out of 4.33(after 87 credits)
- Relevant courses include Advanced Website Programming, Ethics and Other Management, Software Engineering, System Analysis and Design, Project Management, Database and Database Management System, Data Analysis, Operating System, Introduction to Networking, Networking theory and applicants, Statistics, Discrete Mathematics, Computerized Business Application, Principles of Information Systems Security, Intermediate Web Programming, Object Oriented Programming, Human Computer Interaction, and Data Structure and Algorithms.

PROJECTS

UniFlip, *A Selling used school items app (MERN Stack)*
- Utilizes React JS, Redux toolkit, React Router, Axios, RESTful API, SCSS, Socket.io, Mongoose, MongoDB to sell the used books and school supplies to other peoples at cheaper price.
- Team Project (Group Leader) - Developed a system for generating complex app like Marketplace and finding optimal solutions, showcasing a strong problem-solving aptitude using GitLab (UFV Git Tool).
- Utilized key concepts such as Software Engineering for Data Modelling, Use-Case Analysis, System Architecture, Design Patterns, and UML Class Modelling techniques.
- It uses Node.Js and Socket.io for making a real time chat application where seller and buyer can do chat with each other.
- Git Repository: https://github.com/HarrySidhu1815/Comp-371-Yall_can_choose

Sidhu Market, *E-commerce website*
- The Sidhu Market is the e-commerce website for electronic gadgets. It is built using the CSS, HTML, and JavaScript and Node.js for the back end.
- Created REST API with GET, PUT, POST, and DELETE, OAuth2, JWT operations using Express.js and Redux.
- Used HTML, CSS, and React for an efficient, animated, and functional front end.
- GitHub Repository - https://github.com/HarrySidhu1815/Sidhu-Market

Movie Booking, *A Booking App (CRUD Application – PHP, JavaScript, HTML)*
- Developed an MVC pattern full-stack website, enabling customers to book a movie and update/cancel to perform CRUD operations on booking.
- Utilized HTML, CSS, JavaScript for an efficient and functional front end and PHP for the back end.
- Implemented security features such as Email Verification, and authorization using Cookies and Sessions.
- Integrated MySQL databases through self-developed modules that handle CRUD operations and used Cyclic as web hoisting platform.
- GitHub Repository - https://github.com/HarrySidhu1815/MovieBooking

CERTIFICATES

• *React Advanced-Udemy	• Node.js Developer-Udemy
• C and C++ Certificate – Aptech	• Full-stack Developer -LinkedIn Learning

VOLUNTEER EXPERIENCE

Research Assistant, *University of the Fraser Valley*   (MAR 2024 – PRESENT)
- Utilizes Python libraries such as torch.nn, snntorch, pandas, matplotlib, sklearn, and numpy to test and train AI frameworks for optimizing urban vertical agriculture scenarios.
- Collaborates with team members to develop and train a Generative Pre-trained Transformer (GPT) model using Spiking Neural Network (SNN) methodology for advanced data analysis.
- Facilitates flexible weekly project meetings with professors and stakeholders to provide project updates, discuss research findings, and gather feedback.
- Conducted independent research on machine learning algorithms, data analysis techniques, and AI concepts to contribute insights and recommendations for project enhancements.
- GitHub Repository - https://github.com/HarrySidhu1815/AI-Framework (Private due to privacy of data)

PROFESSIONAL EXPERIENCE

Head Cashier, *Home Depot*   (MAR 2023 – PRESENT)
- Training and supervising Cashiers (including cashiers in all remote cashier locations) and Lot Associates.
- Setting clear performance expectations as well as providing on the job feedback.
- Providing outstanding service to both external and internal Customers by ensuring efficient Front End and Remote Cashier operations.
- Handling customer complaints in a professional manner.
- Completing specified safety training, immediately correcting hazards; unsafe conditions or reporting conditions to the Manager on Duty, and working safely as not to endanger themselves, co-workers, vendors, or customers.
- Decision Making to run the business and Front-end responsible.

Assistant Manager, *Chevron Gas Station*   (APR 2023 – DEC 2023)
- Overseeing inventory levels, ordering supplies, and maintaining proper stock levels of merchandise, gasoline, and other products. Monitoring and managing fuel inventories.
- Collaborating with the manager and other team members to achieve operational goals, resolve issues, and foster a positive work environment.
- Assisting with administrative duties, such as record-keeping, generating reports, and managing paperwork related to sales, inventory, and employee records.