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# Shubham Rishi

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## SUMMARY OF QUALIFICATIONS

- Seasoned professional with over 3 years of hands-on experience in web development, programming, machine learning, and artificial intelligence. Well-versed in various operating systems and proficient in troubleshooting technical issues.
- Rigorous coder with extensive practice in meticulous code reviews and debugging. Committed to producing high-quality, efficient code and experienced in a variety of programming languages.
- Detail-oriented with a strong foundation in numerical methods and computer-aided design. Proven ability to leverage mathematical knowledge to solve complex problems.
- Collaborative team player known for excellent communication and interpersonal skills. Proven track record of contributing to team success and project completion.
- Reliable and hardworking professional with a reputation for efficiency and quick learning. Always ready to take on new challenges and expand my skill set.
- Linguistically diverse, fluent in English, Punjabi, Sanskrit, and Hindi, providing a valuable asset in multicultural work environments.

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## TECHNICAL SKILLS

- Programming Languages: Proficient in C, C++, and Java.
- Scripting Languages: Experience with CSS, JavaScript, jQuery, Python, and PHP.
- Web Development Languages: Skilled in HTML for front-end web development.
- Database Languages: Knowledgeable in MySQL, Oracle, and XML.
- Operating Systems: Versatile in using various operating systems including Windows 9x, 2000, XP, Vista, 7, 8, 10, 11, Linux, and Mac.
- Development Applications: Experienced with development tools such as Eclipse, JetBrains, and MS Visual Code.
- Microsoft Products: Proficient in MS PowerPoint, MS Word, MS Excel, MS Access, MS Outlook, MS Teams, and MS Visio.
- Data Processing: Familiar with Hadoop for handling large data sets.
- Image and Video Processing: Skilled in using OpenCV for image and video analysis.

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## EDUCATION

### Bachelor of Science – Computer Science-Graduated

May 2018 – June 2023

University of the Fraser Valley, BC

- Major in Computer Science (CS), Concentration in AI and Data Mining.
- A comprehensive degree including programming in OOP languages such as C/C++, and Java, Database Management, Web Development, Operating Systems such as Windows, Linux, and UNIX, Machine Learning, AI, Ethics, Stats, and Math.

### Fundamentals of Digital Marketing Certificate

May 2020

Google Digital Garage, Online

- An Extensive study of the digital market with different techniques on how to approach a customer with the products of his need in a positive way.

## WORK EXPERIENCE

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### Web Developer and IT Technician

Sept 2020 – May 2023

Terranotics Tech Solutions Inc., Abbotsford, BC

- Cultivate B2B relationships with potential clients, demonstrating the positive impact of technology on their business.
- Design, maintain, and host both static and dynamic websites using a variety of programming languages.
- Deliver technical support to customers, addressing both hardware and software issues.
- Oversee Google business listings, perform SEO optimization, and generate online ads to boost visibility and engagement.

### IT Lab Monitor

Jan 2022 – June 2023

University of the Fraser Valley Abbotsford, BC

- Supervised a library computer lab equipped with a printing facility, ensuring smooth operations.
- Assisted students by resolving course-related queries and technical problems.
- Troubleshoot computer hardware, printer, and network-related issues, maintaining a functional lab environment.

## Retail WORK EXPERIENCE

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### Produce Clerk

June 2021 – Dec 2021

Chalo Freshco, Abbotsford, BC

- Provided friendly and professional customer service, fostering positive customer relationships.
- Conducted regular quality control checks on individual items, ensuring high standards.
- Strategically relocated seasonal products to high-traffic areas to boost impulse purchases and sales.
- Managed inventory, executed produce breakdowns, and collaborated closely with the produce team.

### Merchandiser

Apr 2019 – Nov 2020

Shopper's Drug Mart, Abbotsford, BC

- Provided attentive customer service, offering tailored recommendations based on customer needs.
- Managed inventory, planograms, and receiving, and performed data entry tasks with high accuracy.
- Collaborated with the executive team to strategize and set both long and short-term goals.
- Assisted customers with item location and served as a cashier, and passport photographer, demonstrating versatility.

### Sales Associate

May 2018 – Apr 2019

Bigbox Outlet Store, Abbotsford, BC

- Marketed products using a value-based approach, highlighting quality and benefits.
- Educated customers on product features and benefits, enhancing customer understanding and satisfaction.
- Demonstrated personal and value-based selling skills, driving sales performance.
- Managed inbound customer inquiries, providing solution-based recommendations to ensure customer satisfaction.

## References

Available upon request

## ACADEMIC PROJECTS

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### Gaming Video Website Development | 2018

- Led a team in developing an engaging gaming video website utilizing HTML, CSS, and JavaScript.
- Our website stood out among our peers, being recognized as the best in our class due to its superior design, usability, and functionality.

### E-commerce Website Development | Nov 2020

- Contributed to the development of a fully functional e-commerce website for a retail client as part of a group project, encompassing planning, designing, analyzing, implementing, and testing phases to meet client requirements.

### AI Object Tracking Project | Mar 2021

- Created a program that evaluates and reports the efficiency of various object tracking filters available in the OpenCV library, and bounding boxes while providing valuable insights for users in choosing the best tracking solution.

### Multiplatform Recipe App Development | Dec 2021

- Collaborated on the development of a multiplatform recipe app using Flutter and Firebase database, featuring user registration, search, favorite, and add-a-recipe functionalities.
- Guided the app through multiple stages, including UI/UX design, server-side design, future market analysis, and user statistics.

### Capstone Project | Action Recognition for Assistive Living | Jan 2023

- Executed an individual capstone project under the direct supervision of a professor, focusing on action recognition for assistive living.
- The project involved recognizing 100 different daily actions to improve the quality of life for individuals with memory loss.
- Employed a publicly available dataset consisting of images and videos, using machine learning techniques to train a neural network for action recognition.
- Implemented OpenCV to facilitate real-time action recognition on live video streams.
- Oversaw all aspects of the project, from data processing and training the model on both images and videos, to testing and refining the neural network, demonstrating a high level of technical proficiency and autonomy.

### Ongoing Research | Confidential Project | May 2023

- Involved in an ongoing confidential research project under the guidance of multiple PhD holder individuals, focusing on enhancing assistive technologies.
- The research leverages advanced machine learning and AI strategies to develop improved solutions for individuals with specific needs.
- My role in the project is dynamic, involving the use of various programming languages, APIs, and computer vision techniques.
- This research is ongoing, and my responsibilities include conducting experiments, analyzing results, refining methods, and contributing to the overall research objectives.