ROHAN KAPILA

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RELEVANT SKILLS

- **Critical & Analytical Skills**: Collaborated with diverse consulting representatives to meticulously analyze complex problems and offer innovative alternative solutions
- **Leadership & Teamwork Skills:** Delegated tasks within the team to guarantee the timely delivery of effective solutions and create conducive environments, consistently meeting deadlines
- **Software Skills:** Experienced in a variety of object-oriented programming languages, such as C/C++, HTML/CSS, Java, Python, and JavaScript, in addition to networks, RISC-V ISA, SQL, React, Terraform (Infrastructure as Code), and web development through Git, various Integrated Development Environments (IDEs), Virtual Machines (VMs), and Operating Systems (OS)
- **Verbal Communication Skills:** Showcased projects and innovative solutions to discerning panels of judges in prestigious case competitions and high-profile networking events

EDUCATION

Bachelor of Science, Software Engineering   **September 2021 – May 2025**
Schulich School of Engineering, University of Calgary   *Calgary, Alberta*
- Cumulative GPA: 3.55/4.00

Bachelor of Commerce, Business   **September 2021 – May 2026**
Haskayne School of Business, University of Calgary   *Calgary, Alberta*
- Cumulative GPA: 3.55/4.00

ENGINEERING PROJECTS

Obituary Generator   **April 2023**
Head Developer   *Calgary, Alberta*
- Designed and implemented an obituary generator capable of producing obituaries based on user-provided inputs: name, birth year, death year, and image
- Leveraged Terraform (Infrastructure as Code) and harnessed AWS services, including SSM, Polly, S3, Lambda, and DynamoDB
- Developed a full-stack application using Python, JavaScript, HTML/CSS, React, and Cloudinary

WildLife Rescue Scheduler (WRS)   **April 2023**
Head Developer   *Calgary, Alberta*
- Created an optimized scheduling application for a wildlife rescue facility, tailored to user demands
- Compiled a database-driven system by implementing a GUI using Java, JUnit, SQL connector, and Swing

Data Structure & Algorithms   **March 2023**
Head Developer   *Calgary, Alberta*
- Executed a range of data structure algorithms, encompassing linear data structures, tree structures, vector-based heaps, and graph algorithms, employing Java and Python

Art Museum Application (AMA)   **December 2022**
Head Developer   *Calgary, Alberta*
- Applied database design principles and SQL queries, alongside EER Diagrams and relational models
- Implemented the development of a Python application to efficiently manage an art museum's database, tailored to user-specific interactions

EXTRACURRICULAR EXPERIENCE

UCalgary blockchain Society   **September 2023 – Present**
University of Calgary, Member   *Calgary, Alberta*
- Engineered collaborative coding projects and contributed to the development of Web3 applications

UCCA and Accenture Case Competition   **December 2022**
University of Calgary Consulting Association   *Calgary, Alberta*
- Conducted in-depth analysis of real-life struggling business ventures, dissecting existing challenges to identify actionable solutions aimed at enhancing profitability
- Collaborated with a diverse group of three individuals, leveraging distinct perspectives to jointly develop solutions that integrated each unique viewpoint

AlChE UCalgary Innovation Challenge   **November 2021**
AlChE University of Calgary   *Calgary, Alberta*
- Applied critical and analytical skills in software development to propose eco-friendly alternatives within a team of four individuals
- Addressed the issue of excessive power consumption in electrical scooters and the wastage of materials during battery production

QPON (Junior Achievement Southern Alberta)   **September 2019 – March 2020**
Production Team Lead   *Calgary, Alberta*
- Oversaw the production aspects of a student-run startup, collaborating with peers
- Facilitated a connection between local businesses and the youth demographic by harnessing a network of over 4000 students to benefit businesses with exclusive discounts

Awards & Certificates

Engineering Leadership - Tier 3 Certificate   **September 2021 – Present**
University of Calgary, Member   *Calgary, Alberta*
- Actively engaged in networking workshops to build valuable connections
- Participated in leadership workshops to enhance skills in comprehending diverse environments and effectively responding to various situations

INTERESTS

Interests: Self-development, Basketball, Hiking, Photography, and travelling as I am eager to visit Europe.