Vansh Sood

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EDUCATION

Dalhousie University — Halifax, NS
Bachelor of Computer Science — *Expected Fall 2025*
- Teaching Assistant - Intro to Web Development
- Academic Technology Support Specialist - Office of the Dean, Faculty of Health

EXPERIENCE

Software Developer Co-op — May 2023 – August 2023
Dalhousie University — *Halifax, NS*
- Engineered data visualization platform for **350+ patients** and **1.5k+ diseases** in the healthcare sector.
- Executed a strategic migration of legacy code from Java/JHipster to a more modern Node.js Docker environment.
- Achieved **24% performance** increase post-migration, streamlining operations and improving efficiency.

Full Stack Developer — October 2022 – Present
Emerging Wireless Technologies Research Lab — *Halifax, NS*
- Developed mobile application raising **$45k** by utilizing *React Native, Node, Typescript, Docker, SQL, GitHub.*
- Collaborated in a team under Dr. Srini Sampalli to launch app on multiple platforms with **200+ users**.
- Engineered AWS cloud architecture for multi-region backend micro-services deployment saving **40%** server costs.

Undergraduate Student Ambassador — August 2022 – Present
Shiftkey Labs — *Halifax, NS*
- Spearheaded web platform for managing **500+ student** and **25+ company data** for freelance opportunities
- Collected and analysed data for organising **30+ technology** events aligned with Faculty of Computer Science.
- Mentored **250+ students** across Nova Scotia and driving increased diversity in STEM through Slack Community.

Founder and Chief Technology Officer — December 2020 – September 2022
Webcube Infotech — *New Delhi, India*
- Founded a software company, achieving **$30k** in 13 months with **19%** quarterly growth.
- Completed **25+ applications** using AWS, Next.js, PostgresSQL to empower and digitize small businesses.
- Assisted startups in raising **$100k+** through MVPs development leading team of **15+** developers.

AWARDS AND CERTIFICATIONS

AWS Certified Cloud Practitioner | *Amazon* — 2023
Google Code-In Grand Prize Winner | *Global Top 50* | *Google* — 2018

PROJECTS

AI App - Re:new | *React Native, Python, AWS DynamoDB, co:here NLP, Flask* — 2023
- Built an AI-generated task app with social media integration based on co:here NLP Machine Learning.
- Demoed at University of Toronto and earned special recognition amongst **150+ teams** for the most stable MVP.

3D - Q Learning Algorithm | *C#, Blender, Rhino* — 2022
- Solved the Room Problem using Q Learning algorithm by training an agent with an adjacency matrix in *C#*.
- Implemented the algorithm in real-world 3-D maze solving by moving the agent across rooms.

Covid Support Web Platform | *Next.js, Google Cloud Platform* — 2020
- Constructed a scalable application architecture from scratch, handling **20k+ users**.
- Deployed digital platform (**52 volunteers**) that provided verified leads for O2 and meds during Covid.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, SQL, Git, TypeScript C#, C/C++, HTML/CSS
Frameworks: React, Node.js, Next.js, Docker, GSAP, Expo, D3.js, Flask, Django, JUnit
Cloud and Database: Amazon Web Services, Postgres, MySQL, Google Cloud Platform, MongoDB, Firebase
Personality: Entrepreneur, Data Driven, Team Player, Change-maker, Social Cause, Community Empowerment