Vansh Sood

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EDUCATION

Dalhousie University   Halifax, NS
Bachelor of Computer Science   *Expected Fall 2025*
- Teaching Assistant - Data Structures and Algorithms, Intro to Web Development
- Academic Technology Support Specialist - Office of the Dean, Faculty of Health
- Spearheaded Data Analysis Software for **15,000+** medical student placements across Nova Scotia

WORK EXPERIENCE

Software Developer Co-op   May 2023 – August 2023
Dalhousie University   *Halifax, NS*
- Engineered data visualization platform for **350+ patients** and **1.5k+ diseases** for cancer risk assessment.
- Executed a strategic migration of legacy code from Java/JHipster to 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 cross-functional application raising **$45k** and deployed it on Android and iOS stores with **200+** active users.
- Researched **30+** wearable tech products for a summarized report on wireless technologies in wearable rings.
- Engineered AWS cloud architecture for backend micro-services deployment saving **40%** server costs.

Student Technology Coordinator   August 2023 – Present
Shiftkey Labs   *Halifax, NS*
- Spearheaded web platform for managing **750+ student** and **25+ company data** for freelance opportunities
- Orchestrated open-source community for building internal tools for operations using React, Go, AWS.
- Coordinated **5** hackathons and **45+** Industry workshops in programming and fintech with **3.5k+** participation.

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 MVP development leading team of **15+** developers.

AWARDS AND CERTIFICATIONS

Google Code-In Grand Prize Winner | *Global Top 50* | *Google*	2018
AWS Certified Cloud Practitioner | *Amazon*	2023
LinkedIn Top Web Applications Voice | *LinkedIn*	2023
10x Hackathon Winner | *India and Canada*	2021

PROJECTS

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

Covid Support Web Platform | *Next.js, Firebase, 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.

SKILLS

Languages: Java, JavaScript, Python, SQL, Git, TypeScript, Go, Kotlin, C#, C/C++, HTML/CSS
Frameworks: React, Node.js, Next.js, Docker, GSAP, Expo, Three.js, D3.js, Flask, Django, JUnit
Cloud and Database: Amazon Web Services, Postgres, MySQL, Google Cloud Platform, MongoDB, Firebase
Personality: Entrepreneur, Data Driven, Passion for Tech, Change-maker, Problem Solver, Continuous Learning