DHRUV MALIK

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Education

University of British Columbia
B.Sc., Major in Computer Science
Current Average: 75% (B)
Graduating November 2022

Employment

Software Engineer (Intern)
Tata Consultancy Services   MAY 2019 – JULY 2019

Worked on building an internal support services **chatbot** for Proximus Belgium with the aim of reducing trivial queries at the company's employee helpdesk.

Skills: Node.js, SQL, Natural Language Processing, Machine Learning, API Development & Robotic Process Automation.

Web Application Developer (Intern)
Digital India Programme   MAY 2017 – JULY 2017

Worked on building a user gratification service to track, recognize & reward **9.4 million daily active users** with points & badges for their contribution across MyGov India portals.

Skills: Node.js, HTML, CSS, MongoDB, API Development

Featured Projects

Employee Directory for Associated Engineering

Worked with Associated Engineering on a contractual basis to rebuild & modernize their employee directory web application. I primarily worked on the frontend.

Skills: React.js, PWA, Material UI, IndexedDB

Alpha Calorie Tracker for UBC Students

Built a web application to help students discover suitable food options on the UBC campus based on their dietary preferences, allergies & caloric intake for the day.

Skills: React.js, Node.js, Material UI, MongoDB, TypeSense

Aquaduct

Built a SMS-based chatbot to bring basic internet access to feature-phone users and areas without internet coverage.

Skills: Node.js, RiveScript, Twilio, MongoDB

Technical Skills

Languages & Runtimes
JavaScript, Node.js, Python, NativeScript, Java, SQL, HTML, CSS

Frameworks & Libraries
Vue.js, React.js, Express, Fast, Junit, Mocha.js, Chai.js

Technical Tools
Git, Twilio, DigitalOcean, Linux, Figma

Certifications & Awards

Microsoft Certified Professional
License F759-0971
Issued July 2016

Microsoft Specialist: Programming in JavaScript with HTML5 & CSS3
License F759-0966
Issued July 2016

Outstanding International Student of the Year
University of British Columbia
2018-19

Cybersecurity Involvement

Ethical Hacker, Web Applications
Maple Bacon (UBC's Ethical Hacking Team)
2019-Present

Notable Participation

Google CTF 2020
- Participated with Maple Bacon
- Worked on solving problems related to web application security.
- Team **ranked 38th globally** (out of 625)

Maple CTF 2022
- Participated in a team of 4
- Worked (mostly) on problems relating to Web Application Security
- Team ranked **3rd place** (out of 71)