

Devansh Sharma

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EDUCATION

McMaster University

Expected Graduation: April 2024

BASc. in Computer Science

- Awarded the McMaster Honour Undergraduate Scholarship based on strong academic performance.
- Developed the back-end code for Delta Hacks' landing page using Vue.js as a technical executive on the team.
- Relevant Courses: Data Structures & Algorithms, Software Development, Computer Architecture, Concurrent Systems, Databases, Principles of Programming Languages, Operating Systems.

EXPERIENCE

Tesla

Sept 2022 – Dec 2022

Incoming SDE Intern

- Incoming Software Developer Intern on the Tesla Energy team in Fall 2022.

Amazon

May 2022 – Aug 2022

Software Development Engineering Intern

- Worked on a back-end **Java** project on the Prime Technology Turing team which supports engagement and retention for millions of Prime members by managing Milestone – Action events in a membership life-cycle.
- Orchestrated the migration of a live production DynamoDB table with **3000** read requests/second to one that supports Milestone Versioning by redesigning and interfacing with the complex architecture of Persistence Layer.
- Saved multiple potential engineering hours (**8+** hours/event) in the incident where a tenant modifies a Milestone which fails in the production pipeline and directly impacts Prime customers.
- Leveraged various **AWS** resources including DynamoDB, SQS, CloudFormation and had multiple design discussions to propose ideas, evaluate various implementations and their potential drawbacks.

Google

May 2021 – Aug 2021

STEP Intern

- Leveraged suspicious scores generated by ML models to dynamically set scan configurations for increasing automatic suspension rate of illegal cloaking ads by **5%**.
- Created data processing pipelines in **C++** to make changes that impacted **4000+** ads.
- Utilized Protocol Buffers to fetch and update large amounts of data from daily tables to check for malicious ads.
- Created design and launch docs that highlight implementation, problem, key goals and solution.

RBC

Jan 2021 - April 2021

Software Developer Intern

- Streamlined communication by developing an internal application used by **100+** employees.
- Worked with **Python**, **React** and **Vue.js** to build a tool used by the Global Cyber Security team for employee headcount information.
- Interacted with many complex tables in **SQL** to dynamically generate queries based on user interactions.

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, TypeScript, Kotlin, C#, Haskell, Bash, HTML/CSS

Technologies: Git, Github, SQL, Node.js, AWS Tools (DynamoDB, SQS, CloudFormation, CloudWatch), Docker, Express, REST APIs, JSON, Django, React, Vue.js, Web Development, Linux, Object-Oriented-Programming

PROJECTS

Ball Flip!

[Link to Play Store](#)

- Built with the Unity Engine in **C#** and applied Google Play Services API for better Android integration.
- Achieved an active listing on the Google Play Store for **659+** days.

OTHER INVOLVEMENTS

Hackathons

Various Dates

- Participated in 6+ hackathons including - **Hack Harvard**, **Hack MIT** and many more!