Aakarsh Shekhar

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EDUCATION

MCGILL UNIVERSITY

Bachelor of Engineering
Software Engineering

Minor in Technological
Entrepreneurship

Montreal, QC
GPA: 3.56/4.00

Expected: May 2020

LINKS

Github:// **aakarsh19**
LinkedIn:// **aakarshshekhar**

SKILLS

PROGRAMMING

Java • C • C++ • Python
JavaScript • HTML • CSS
Node.js • Bash • Vue.js

LANGUAGES

English • Hindi • French (basic)

WORK EXPERIENCE

FINANCE DIRECTOR | McGill Engineering TechWeek

September 2017 – present

- Organized TechWeek 2018 - a week-long event showcasing the engineering profession, by hosting over 200 students for talk from professors and engineering companies
- Responsible for accounting, sponsorship, funds, budgeting, investment opportunities for the TechWeek committee

PROJECT MANAGEMENT INTERN | International Civil Aviation Organization

Summer 2017 | Montreal, QC

- Assisted development in Electronic Air Navigation Plans (eANP) and Reference Center
- Shortened the timeline for the eANP project in half by increasing efficiency- using macros of code to automate deliverables
- Conducted personnel interviews with internal clients, documented requirements, outlined business workflows

FINANCE INTERN | International Civil Aviation Organization

Summer 2016 | Montreal, QC

- Responsible for data entry and validation in Accounts Unit, filing transactions in Treasury
- Used financial tools like Agresso (ERP), Access, Excel to assist in data validation

SOFTWARE PROJECTS

PSYCHBOT | McHacks, McGill University

PsychBot is a chatbot that helps deal with general psychological problems. Built in Node.js/Javascript, using Cisco Spark ChatBot API for chat-box, and Nuance Nina Knowledge (NiK) API to analyse text or speech. Additionally, it was one of the first third-party Cisco Spark chatbot to implement voice functionality, which was built using the Bing Speech API.

LOAN DATA EXPLORATION AND PREDICTION | CodeJam: DataDive, McGill University

The Loan data exploration plotted the different conditions against each other to find out what really affects interest rates. Additionally, the prediction was based on the best fitting model out of the many we implemented. Built using python and a standard Jupyter and SkLearn workflow, along with a Google compute background, during a 36-hour long hackathon.

IDEA WEBSITE | YHacks, Yale University

Built using Node.Js/Javascript for back-end, and CSS/HTML for front-end, helps connect young programmers with users who listed their problems, to help fix the problem for prizes. It was built during a 36-hour long hackathon.

WHO | HackPrinceton, Princeton University

A chatting app that initially hides the chatters' personal information, and only allows users to uncover each other's personal information gradually if the other person allows it, after a few minutes of texting. Built using react-native, it uses 'react-native-router-flux' and 'react-native-gifted-chat' to implement the UI, and JavaScript to build the zodiac matches algorithm.