


Ajaybir Singh Randhawa

Ajaybir.Randhawa786@gmail.com | 416-985-3196 | Toronto, Ontario

🌐 Ajaybirrandhawa.github.io | 🔄 Ajaybir Randhawa |  AjaybirRandhawa

Education

Ryerson University - Computer Science

2019 - Current

CGPA: 3.87/4.33, Dean's List in 2019

Relevant Courses: Data Algorithms, Unix/Linux, Graph Theory, Software Engineering

Experience

IT Assistant - AR Renovation Supplies

2016 - Present

- Developing risk quantification and management models via quantitative data analysis based on client requirements and increasing productivity by 50%
- Modelling and forecasting parts and material demands from all key consumers
- Increasing product tracking efficiency by 150% through systematic and automatic product logs

Hackathon - Hack The North (Volunteer)

January, 2021

- Helped organizers manage and judge 3,000+ competitors across 96 countries in the largest hackathon across Canada
- Tracking progress of teams through the judging process via Excel and troubleshooting audio/visual issues with participants

Hackathon - IEEE Ryerson (1st Place)

Fall, 2020

- Led a team of three and developed solutions to multiple challenges in Python
- Collaborated efficiently between team members to tackle solutions using Software Development Life Cycle (SDLC) methodologies
- Optimized solutions via divide and conquer, thread parallelism and other algorithms by 60%

Skills

Languages: Python • HTML • CSS3 • Javascript • Bash • Java • C/C++ • Hindi • Punjabi

Databases: MongoDB • MySQL • PostgreSQL • SQL • Excel

Frameworks: Django • React • Agile • Waterfall

Technologies: PowerBI • Git • Jupyter • Kali Linux • Bootstrap • Docker • Microsoft Office

Other: Self-Starter • Creative • Collaborative • Communication Skills

Projects

Stock Market Ticker - Django • Javascript • HTML • CSS

October, 2020

- Used an entrepreneurial approach to build a stock exchange website to view and track stocks using finance yahoo's RESTful APIs
- Effectively reduced research time for stock comparison by 50% through automation and usage of API calling and along with side by side comparison

MovieCrunchers - Javascript • HTML • CSS • Perl • NoSQL

November, 2020

- Analyzed requirements and designed, developed and launched movie review website and platform for user interaction
- Implemented LAMP stack and site was built to handle 30,000 requests per month, conducted unit testing and debugging

Lookout - Python • HTML • CSS

January, 2021

- Collaborated with a peer and launched an application to secure users unattended items in public spaces through python's OpenCV library
- Automated emails to users regarding any suspicious movement with a max distance of 9 feet
- Conducted unit-testing and field testing to improve accuracy of program to 97%