Rishabh Minocha

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EXPERIENCE

Google | SOFTWARE ENGINEERING INTERN
Jan 2020 – May 2020
- Wrote a CLI to simulate battery life and a scripting layer to allow longevity simulations for Fuchsia OS
- Encoded JSON-like formats to a byte stream to write out logs over virtual memory objects in C++
- Implemented a Rust module to validate format correctness of log serialization libraries available in different languages like C++, Rust and Dart

Accenture | SOFTWARE ENGINEER
May 2019 – Aug 2019
- Built and productionized real-time data pipelines that ingests user click-stream data to Elasticsearch
- Developed an app using React and DialogFlow to over **475K** users to automate HR-related tasks
- Implemented an unsupervised clustering model to cluster short texts with similar meanings having **81%** accuracy to retrain DialogFlow

Scotiabank | DATA SCIENTIST
Aug 2018 – Dec 2018
- Created a data validation tool from scratch which is run daily to find an average of **5%** discrepancy between front-end and back-end data of customer activity
- Found exploitable pages towards fraud by analyzing behaviour of new accounts in the application stage
- Reduced fraudulent transactions by **7%** and over **2K** account takeovers per month by finding an exploitable feature in the live mobile application

FEDERATION OF STUDENTS | SOFTWARE DEVELOPER
May 2018 – Jul 2018
- Created an administrative tool built on Ruby on Rails to assist managing of over **200** clubs such as club creation and viewing activity of clubs

TODAY'S FUTURE | SOFTWARE ENGINEER
Jul 2017 – Jul 2018
- Published 4 applications on the Google Play Store and received over **250K** downloads with one application ranking top **150** in top free charts

PROJECTS

DYNPIN | ANDROID APPLICATION
- Built an application that allows users to set dynamic time-based unlock pins to increase mobile security
- Received over **100K** downloads and **3000** reviews with an overall **4.7/5** rating on the Google Play Store

MESAFE | HACKATHON WINNING PROJECT | $25K FUNDING
- Developed an algorithm to compute the safest route to a destination using Google Maps, Places and a custom model made from scratch
- Implemented a reward-based voting system to verify submitted crime events to improve the algorithm

LANGUAGES AND TOOLS

• C/C++ • Python • Rust • Java • Kotlin • Scala • SQL • JavaScript

• React • AWS • Spark • Git • Firebase • OpenCV • TensorFlow • Elasticsearch • Pandas • NumPy • scikit-learn

AWARDS AND ACTIVITIES

Year		
2020	Finalist	Facebook Data Challenge Competition
2019	Prize winner	Terminal Live (coding competition) hosted by Citadel and Correlation One
2019	Team Lead	Lead of the Developer Student Club at the University of Waterloo
2019	Judge and Mentor	HackTheNorth '19, YorkU Hacks '18, StarterHacks '18 and Equithon '18
2018	Winner	CBI Incubator award winner at Hack the Valley 2
2017	Winner	Won HackIIIT-D Hackathon at IIIT Delhi

EDUCATION

UNIVERSITY OF WATERLOO | DOUBLE MAJOR IN COMPUTER SCIENCE AND STATISTICS
Expected Dec 2021 | CGPA: 3.7