Hrithik **Shah**

4TH YEAR UNDERGRADUATE IN SOFTWARE ENGINEERING

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Skills

Programming	Python, Java, C#, C++, JavaScript, HTML, CSS, TypeScript, Ruby, SQL, Scala
Technologies	Angular, .NET, Redis, Ruby on Rails, React, React Native, Selenium, Flask, AWS, Jupyter Notebooks, Postman, Docker

Experience

Flinks — *Remote*
BACKEND SOFTWARE ENGINEER — *May 2021 - Dec 2021*

- Implementing and refactoring several key features for a new payment system, along with rigorous testing performed through Octopus Deploy, to launch the product to 1000+ clients
- Expanded the Connect API using .Net and Postman by adding endpoints to support login authentication use cases for Paypal, Venmo, Robinhood and 10+ banks across North America

SecDev Group — *Remote*
SOFTWARE DEVELOPER — *Jan 2021 - Apr 2021*

- Worked alongside the municipalities of LA and Chicago to evaluate and implement a model of 40+ features that simulated outcomes for COVID relief efforts impacting over 6.5 million people
- Created a scraper using Python & Selenium to close 100+ extremist accounts on social platforms like Facebook, Instagram, Twitter and TikTok

Royal Bank of Canada — *Toronto, Canada*
DATA SCIENTIST — *Jan 2020 - Apr 2020*

- Leveraged scikit-learn to create Word n-gram matrices and apply Logistic Regression improving an entity resolution model to 95% accuracy
- Reduced fuzzy matching processing times to under 30 minutes for millions of client records using MinHash and Locality Sensitive Hashing
- Used Latent Dirichlet Allocation and TF-IDF to flag suspicious activity in payment details
- Presented insights to executives on CERB spending to reduce fraud by 5% during the COVID-19 pandemic

Uken Games — *Toronto, Canada*
DATA ANALYST — *May 2019 - Aug 2019*

- Deployed an autonomous system using Docker that manages $15,000 of Facebook ad campaigns and reduced 5 hr/week of manual work
- Developed a tool that forecasts the average lifetime value of a player based on retention to help maximize return on ad spend
- Created interactive data visualizations using Periscope Data and Python packages such as numpy, pandas, and plotly

Entrepreneurship

Software For Love | *Website* ⬏ — *Remote*
CHIEF EXECUTIVE OFFICER (CEO) — *May 2020 - Present*

- Launched a non-profit and currently leading 30+ developers, designers, project managers in building technology for social good
- Tackled challenges in hiring processes, software development practises and CI/CD to elevate members' unique skills and passions
- Directed 10+ projects and partnered with Snyk and Google for software infrastructure support

Side Projects

PokeMart | /*Pokemart*, Created a marketplace mobile app using React Native, LottieView, and a RESTful API made with Node.js

Findify | /*Findify*, *Website* ⬏, Implemented a music recommendation system using Flask and Spotify's song analysis algorithm to generate a score for fuzzy matching

Hrithik's Notes | /*Notes*, *Website* ⬏, Created a Gitbook-type website for course notes using React, Netlify, MDX, Ploty charts, and LaTex, improving understanding of material

Education

University of Ottawa — *Ottawa, Canada*
BASc IN SOFTWARE ENGINEERING (CO-OP) — *Sep 2018 - Dec 2022*

- Courses in: Data Structures & Algorithms, Intro to AI, Software Architecture, Analysis and Design of UI, Software Requirements