Hrithik **Shah**

4TH YEAR UNDERGRADUATE IN SOFTWARE ENGINEERING

✉ hrithikhahs@gmail.com | ⌂ hrithikshah.com | CoderHahs | hrithik-shah

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*

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

SecDev Group
Remote

SOFTWARE DEVELOPER — *Jan 2021 - Apr 2021*

- Implemeted a model of 40+ features that simulated outcomes for COVID relief efforts impacting over 6.5 million people by working alongside the municipalities of LA and Chicago
- 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*

- Improved an entity resolution model to 95% accuracy using scikit-learn to create Word n-gram matrices and applying Logistic Regression
- Reduced fuzzy matching processing times to under 30 minutes for millions of client records using MinHash and Locality Sensitive Hashing
- 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
- Increased return on ad spend by 10% by developing a tool that forecasts the average lifetime value of a player based on retention
- 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, donated $4000+ to charities 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* ⧉**,** Launched a Gitbook-type website for course notes using React, Netlify, MDX, Ploty charts, and LaTex, improving understanding of material

Invasion of the Shadows | /*Invasion-Shadows***,** Deployed a 2D RPG Platformer computer game using Unity designed to help students learn about ancient civilizations

COVID-19 Report | /*Covid*, *Website* ⧉**,** Created a web dashboard using Plotly Dash, Flask and Heroku to monitor the pandemic

Education

University of Ottawa
Ottawa, Canada

BASc IN SOFTWARE ENGINEERING (CO-OP), 3.7 GPA — *Sep 2018 - Dec 2022*

- Undergraduate courses: Data Structures & Algorithms, Intro to AI & Data Science, Software Architecture, User Interfaces, Software Requirements
- Graduate courses: Topics in AI, Virtual Assistants