Rohit Awate

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EDUCATION

Northeastern University   Boston, MA, United States
Master of Science in Computer Science   2021 – 2023

University of Pune   Pune, India
Bachelor of Engineering in Computer Engineering   GPA: 9.41/10   2016 – 2020

WORK EXPERIENCE

RedCarpet   Pune, India
Software Engineer Intern   Dec 2020 − Present
- Building a new high-performance ledger in Python and PostgreSQL for handling high-volume credit card transactions.
- Integrating said ledger into the existing infrastructure for a seamless transition.

Microsoft   Pune, India
Microsoft Student Partner   Sept 2019 − Present
- Organized an event called *A Taxi Ride Through Computer Science* to introduce young students to computer science.
- Completed courses on Microsoft Learn.

PROJECTS

CopperVM   August 2020 − Present
- CopperVM is an educational bytecode virtual machine for an opinionated subset of JavaScript, written in modern C++.
- Will feature a complete JavaScript runtime with an async task queue, event loop and async task thread pool.
- GitHub: https://github.com/RohitAwate/CopperVM

Privacy Policy Summarization and Unfair Clause Detection   August 2019 − May 2020
- Led a team of four for our engineering capstone project.
- Built a browser extension that can classify clauses in privacy policies using deep learning into relevant categories and also check whether they are unfair.
- Our mission was to help people make a more informed decision while accepting these policies.
- We also published and presented a paper at the International Conference on Pervasive Computing which won the **Best Paper Award**.

OAuth 2.0 Bin   January 2019 − September 2019
- OAuth 2.0 Bin is a free, open-source test server for the OAuth 2.0 Authorization framework.
- Wrote an RFC 6749 compliant implementation in idiomatic Go, from scratch.
- Published a YouTube video series talking about this project: https://bit.ly/3hFvvfP
- GitHub: https://github.com/RohitAwate/OAuth2Bin

AmbiQuick   August 2018 − October 2018
- Built an ambulance aggregation service which allows users to quickly request an ambulance from hospitals or ambulance services in their vicinity.
- Led a team of four to develop a Python/Django web application which uses Socket.IO for realtime communication.
- Project Report: http://bit.ly/33Vbw69

Everest   January 2018 − June 2019
- Everest is a free, open-source, REST client written in Java.
- Designed an elegant, powerful and efficient desktop application with a smaller memory footprint than the competition.
- Packed to the brim with features such a comprehensive HTTP request composer, syntax highlighting, requests history, response visualizer, mock servers, etc.
- GitHub: https://github.com/RohitAwate/Everest

Honorable Mentions

- Genetic Algorithm Visualization
- Ballad Text Editor
- NoteHero
- DOM Engine
- Bookworm Library Manager

SKILLS
Java, Python, Go, C++, JavaScript, SQL, React, Docker

ACHIEVEMENTS
MTV Get A Job: Season 5   June 2019
- Among the top 5 finalists for an internship position with Microsoft on this national television program.
- Selected from over 15,000 applications across India.
- Link to episode on Voot: http://bit.ly/2KUPoB3

Everest
- Garnered 780+ stars on GitHub and ranked 2nd on GitHub Trending in May 2018.
- Featured by Java's official Twitter handle in December 2018.
- Source code is being used as an example for an online course offered by the University of California, San Diego. (https://bit.ly/2Hr6zIv)

MISCELLANEOUS
Mozilla Firefox Contributor   October 2019 – November 2019
- Improved error reporting in the parser of SpiderMonkey, Firefox's JavaScript engine.
- Patch was accepted by Mozilla and shipped in Firefox 72.
- Blog Post: https://rohitawate.github.io/2019/11/06/firefox-contribution

YouTube Videos
- Concurrency in Golang: A Simple, Practical Example
- Code Walk-through of an OAuth 2.0 Implementation in Go
- A Taxi Ride Through Computer Science
- Accept LinkedIn Requests Automatically In 3 Lines of JavaScript

CERTIFICATIONS

- PostgreSQL   December 2020
- Advanced REST APIs with Flask and Python   December 2020
- Docker Essentials for Python Developers   December 2020
- React.js   December 2020