

# Rohit Awate

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## EDUCATION

### Northeastern University

*Master of Science in Computer Science*

Boston, MA, United States

2021 – 2023

### University of Pune

*Bachelor of Engineering in Computer Engineering*

GPA: 9.41/10

Pune, India

2016 – 2020

## WORK EXPERIENCE

### RedCarpet

*Software Engineer Intern*

Pune, India

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

*Microsoft Student Partner*

Pune, India

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 experimental 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](#)
- [DOM Engine](#)
- [NoteHero](#)
- [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 2<sup>nd</sup> 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