

# Muaaz Bhyat

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## PROJECTS

### Rhasm

[github.com/Muu79/rhasm](https://github.com/Muu79/rhasm)

- Built a Rust based assembler and disassembler that can be accessed via a CLI or as an API through the library.
- Rhasm can assemble a maximum sized program for the hack computer (32'000 instructions) in less than a second.

### Inspiration Site

[inspiration.muaazbhyat.co.za/](https://inspiration.muaazbhyat.co.za/)

- Developed an inspiration site that leveraged APIs to hydrate Redux stores.
- Foundational demonstration of React and Redux elements, as well as external API usage.

### Coach App

[coach-app.muaazbhyat.co.za/coaches](https://coach-app.muaazbhyat.co.za/coaches)

- Built an SPA using Vue to facilitate a Coach requirement board
- Uses Firebase as a back-end
- Deployed with Netlify, using Netlify serverless functions as an API

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## CERTIFICATIONS

### React And Redux Web Certification

CodeCademy • 2024

- Certified in building web apps using React with Redux in relevant frameworks

### Python 3

CodeCademy • 2023

- Certification for advanced Python knowledge and know how

### JavaScript Algorithms and Syntax

Free Code Camp • 2023

- Certified in writing and reading JavaScript
- Knowledge of advanced JavaScript fundamentals and syntax

### Python Scientific Computing

Free Code Camp • 2023

- Intro to Python scientific computing techniques

### JavaScript Back End Certificate

CodeCademy • 2022

- Certified to build a back end using express

### Vue The Complete Guide

Udemy • 2024

- [http://ude.my/UC-6374bdf1-4494-4618-ab86-4642c6b46a5e](https://ude.my/UC-6374bdf1-4494-4618-ab86-4642c6b46a5e)
- Learned Vue conventions for components, routing, and flux store techniques
- Able to build a full stack SPA

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## SKILLS

Languages: Rust, Java, JavaScript + TypeScript, Python 3

Web Development: HTML, CSS, Vue, Nuxt, React, Next.js, Redux, Express.js

Data Analytics: pandas, numpy, matplotlib, SQL, no-SQL

Systems Development: CLI development, Multi-threaded operations

Other: Git, Bash, Linux, WSL, Node, Cargo

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## EDUCATION

**Bachelor of Science (Honours) – Computer Science (in Progress)**

Minor in Applied Mathamatics • University of The People • Pasadena, CA • 2026

**High School NSC (Bachelor Pass)**

Sandford Lake College • Tzaneen, Limpopo • 2020

- Head of Academic Committee
- Took AP Mathematics