

# Hiren Patel

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## Education

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### Northeastern University, Khoury College of Computer and Information Science

Boston, MA

*Candidate for Bachelors of Science in Computer Science and Business Administration*

May 2021

- **Activities:** Entrepreneurs Club, UNify, TAMID, AerospaceNU, Northeastern Mars Rover Team **GPA: 3.4**
- **Related Coursework:** Object Oriented Design, Algorithms and Data, Software Development, Large Scale Information Storage, Networks Systems, Database Design, Financial Management, Financial and Managerial Accounting

## Technical Skills

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Languages: Python, Java, Groovy, C++, CwC, SQL, NoSQL, MongoDB, Redis, PHP, JavaScript, HTML, CSS  
Frameworks: Git, Linux, Docker, Flask, Jenkins, AWS, GCP, Kubernetes, Terraform, Ansible, Microsoft Office

## Experience

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### Release Engineer Intern

Fremont, CA

*Tesla*

August 2020 - December 2020

- Led the development of an automated CI/CD pipeline for building and deploying code
- Extensive use of Kubernetes and Jenkins

### DevOps Engineer Co-op

Boston, MA

*True Fit*

July 2019 - December 2019

- Initiated our organization's research to use GitLab CI/CD Pipelines
- Configured and tested Kubernetes Cluster to work with Gitlab Runners
- Automated the creation of virtual machines using Terraform on Google Cloud Platform
- Automated the configuration of virtual machines using Ansible

### Techstars Startup Weekend

Boston, MA

*Organizer*

April 2018 - June 2019

- Launched weekend-long business development and pitch competition with a team of three
- Hosted events each participated by over 80 people and each gaining over \$11,000 in ticket sales and sponsorships
- Organized the entire mentorship program to help participants gain traction on their ideas

## Projects

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### Codeopolis

March 2020 - Present

- Created an online IDE where users can develop and compile their code in real time together on a website
- Docker was used for everything including the Flask backend, Mongo and Redis database, and Nginx proxy.

### Distributed Database

January 2020 - April 2020

- Developed a database in C++ that can take in large datasets and distribute it between separate clients through a network
- Client nodes were able to serialize data to send through a network, deserialize data, and perform computations on both their subset of data or entire dataset

### Cafronn

November 2019 - February 2020

- Created a platform that streamlines the processes of starting an idea like generating a website, app, and fliers
- Developed a dynamic website using PHP, HTML, CSS, and Javascript that holds user information in MySQL
- All systems, including the Apache server, were hosted using Docker containers

### Boston Development Analytics Model

March 2019 - April 2019

- Analyzed multiple datasets related to Boston Property Development using SQL
- Used Node.js with JavaScript and HTML to visually display the development of Boston

## Interests

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Technology Development (Artificial Intelligence, Cloud Computing), Automation, Outer Space, Robotics