

Megharth Lakhataria

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Education

Northeastern University, Khoury College of Computer Sciences

Masters Computer Science **GPA: 4.0/4.0**

Relevant Coursework: Web Development, Computer Systems

Boston, MA

Sep 2019 - Present

Gujarat Technological University

Bachelors of Technology Information Technology **GPA: 9.17/10.0**

Gujarat, India

Aug 2015 - May 2019

Skills

Programming Languages Javascript, C, C++, Java, Python, HTML5, CSS3

Databases SQL, MySQL, MongoDB

Libraries Vue.js, Vuex, Elixir, Node.js, ExpressJs, React.JS, Redux, jQuery, Bootstrap, Laravel
Socket.io, GSAP, Handlebars

Other GIT, Nginx, IntelliJ IDEA, Visual Studio Code, Raspberry Pi, Inkscape, Figma, Heroku

Experience

Northeastern University, Boston

Graduate Teaching Assistant, CS 5600 - Web Development

May 2020 - Aug 2020

- Conducted office hours to help students with their doubts and mentor them on topics related to web development
- Assisted professor with grading assignments and classroom logistics

Alian Software, Anand, India

Intern

Jan 2019 - May 2019

- Developed content management system and inventory management system alongside the integration of Amazon Marketplace API increasing on-time order fulfilment rate by ~15%
- Created a customer management system providing required information to a customer representative at centralized place improving customer response time by 9%
- Extracted metadata from the image and converted GeoTIFF image into web-optimized PNG images reducing rendering time of image on Google Maps by 35%

Academic Projects

Social React.JS, Elixir, CSS3

- A social media website that suggests potential friends based on location and interests while supporting messaging and notifications
- Used Facebook and Instagram API to keep user's basic profile in sync with these platforms
- Attained 80% accuracy in finding nearby friends by calculating the distance between users' location

Checkers React.JS, Elixir, CSS3

- A multiplayer Checkers web-game with chat-room and game-room support
- Supported multiple games and game backups using genservers in backend
- Achieved ~0% lag in gameplay by implementing sockets

Eye Controlled Wheelchair Python

- A Raspberry Pi based prototype of eye controlled wheelchair which enables locomotion of wheelchair using the user's eye
- Gained ~95% accuracy in recognizing eye movements and actions by implementing algorithms from OpenCV library
- Latency as low as 20% was achieved by using L-293 H-bridge to send the instructions to the motors driving wheelchair

Leadership Experience

Developer Head

BVM Engineering College

Jul 2018 - May 2019

- Delegated tasks as well as evaluated individual deliverables by using scrum methodology to achieve maximum efficiency for every app developed throughout the year