Megharth Lakhataria

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Education

Northeastern University, Khoury College of Computer Sciences   Boston, MA
Masters Computer Science **GPA: 4.0/4.0**   Sep 2019 - Present
Relevant Coursework: Web Development, Computer Systems

Gujarat Technological University   Gujarat, India
Bachelors of Technology Information Technology **GPA: 9.17/10.0**   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

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%

Maxgen Technolgies Pvt. Ltd, Vadodara, India
Web Developer Intern   May 2017 - July 2017

- Implemented caching on the server side improving website page load time by 30%
- Improved average bounce rate by 5% and average time on page by improving UI/UX of portfolio website for 5 clients

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 recoginzing 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 Enginerring 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