Manan Joshi

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Graduate student. Software engineer. Experienced in full-stack development and lover of all things JavaScript.

Education

M.S. Computer Science - Rochester Institute of Technology, Rochester, NY   (August 2017 - Present)

- Relevant courses: Compiler Construction, Applications in Virtual Reality, Programming in Haskell, Animation Algorithms, Global Illumination
- Nominated for the **Outstanding International Student of the Year** award in February 2020.
- **Graduate Research Assistant** on a compiler project funded by the **National Science Foundation.**

Bachelors Computer Engineering - Ganpat University, India   (July 2012 - May 2016)

Work Experience

Full-Stack Developer, Department of Public Safety - RIT   Rochester, NY (March 2018 - June 2020)

Tech stack: React JS, Redux, Node JS, Express JS, MongoDB, Git, REST API's, JavaScript, HTML5, CSS3

- Created a web application that helps the public safety department keep track of all the events that are hosted at RIT.
- The public safety department is now able to target 40% more events in about half the time as compared to earlier.

Full-Stack Developer Intern, Solstice Power Technologies Inc.   Cambridge, MA (May 2019 - August 2019)

Tech stack: React JS, Node JS, Express JS, PostgreSQL, Git, GitHub, Docker, TypesScript, AWS, CSS3, HTML5, DroneCI, Salesforce, Jira, Trello

- Implemented a partner side dashboard for the in house platform used to bill enroll and manage customers and solar developer partners.
- Architected a rudimentary CI/CD infrastructure using Drone CI, GitHub, DockerHub, AWS, and Kubernetes which reduced build time by 70%.
- Migrated the platform codebase from Bootstrap 3 to Bootstrap 4.

Frontend Developer Intern, Retail Business Services Ltd. - Ahold Delhaize   Mooresville, NC (January 2019 - May 2019)

Tech stack: React JS, Node JS, Express JS, MongoDB, Git, JavaScript, HTML5, CSS3, Jira, Trello

- Implemented a product locator web app that is being used by Stop and Shop stores across the Northeast US. Live version
- Created web apps from scratch as part of the Rapid Application Development team to quickly prototype an innovative idea.

Technical Skills

 Frameworks: React JS, Node JS, Express JS, Svelte JS, Three JS, Bootstrap, Ant Design, Android Application Development

 Programming Languages: JavaScript (ES6), TypeScript, Haskell (Functional Programming paradigm), Python, Java

 Other: HTML5, CSS3, Redux, MongoDB, PostgreSQL, REST API, Git, GitHub, Docker, Trello, Agile(Scrum), DevOps, Webpack, Babel

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Personal Projects

Svelte Trivia - Demo | Blog | Code **Technologies:** Svelte JS

 A very basic quiz app that shows how awesome Svelte JS is.

Sculptor - Demo | Code **Technologies:** React JS, Redux, Node JS, Express JS, Mongo DB, Git, GitHub Actions

 People say abs are crafted in the kitchen. Sculptor is a meal-tracking and recipe sharing web app that will help you with a healthy lifestyle.

Chandrayaan-2 - Demo | Code **Technologies:** React JS, Three JS, React-Three-Fiber

 This project is an animation completely written using JavaScript as an ode to the Chandrayaan-2 moon mission sent by ISRO.

Box-Office - Demo | Blog | Code **Technologies:** React JS

 This project tries to explain the basic concepts of React and React hooks to a general audience.

Achievements

- Student advisor on the **Advisory Committee on Campus Security** at Rochester Institute of Technology.
- Helping and mentoring students and other people with coding projects and questions on Codementor.