# Nayanika Bhargava

## Full Stack Developer

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Holding PR of CANADA. Experienced full stack developer adept in all stages of advanced web development. Bringing forth expertise, knowledge and solutions in design, development, testing and maintenance of web systems along with data visualizations. Able to manage an independent project as well a team setting effectively.

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## WORK EXPERIENCE

### Full Stack Developer
The Research Foundation for SUNY

*01/2019 - Present*          *Albany, NY*

Achievements

- Developed advanced interactive data-driven visualizations ,web-based GIS solutions that incorporate visualization and informatics modules using using Python, Java Script and React including the Auth functionality with complex react-redux structure and falcor API. The analysis modules include advanced data mining.
- Design, create and modify Web sites, applications, and databases and evaluate code and perform unguided research and use specific field knowledge to perform analyses on a project research problem.
- Projects include working on a custom planning tool for various counties, Hazard events and mitigation and indicators for understanding and analyzing the community and its development.

### Student Assistant/Web Developer
Center for Women in government and civil society

*06/2018 - 12/2018*

Achievements

- Analyzing and automating the data analysis and methodology for Immigrant Integration Index using Python, NumPy, MatPlotLib.
- Modified the existing website based on React.js and added new features and functionalities and updated the department's website consistently.

### Systems Engineer
Infosys

*10/2015 - 11/2016*

Achievements

- Worked under the unit of DevOps and have hands on experience on Java Bamboo CI, Maven and SVN.
- Completed Generic Training in Python, MySQL and concepts of Software Engineering and Stream training in Java Enterprise applications and developing the presentation, persistence and business tiers.

## EDUCATION

### Masters of Science in Computer Science
University At Albany, State University of New York

*01/2017 - 12/2018*

### Bachelors of Technology in Software Engg
SRM University

*08/2011 - 05/2015*

## TECHNICAL SKILLS

Front-End: JavaScript, ES5 and ES6 , Javascript Libraries, ReactJs, React-redux, HTML, CSS(flexbox,lightadmin,tailwind,bootstrap,semantic-ui)

Back end - Falcor API,REST API, Express and Node.js, Jest for testing

Databases, CI/CD and Production/Deployment-POSTGRESQL ,POSTGIS,MONGO DB ,Docker, Kuberentes, Travis CI, github, AWS, google cloud, skaffold for local development

Other Languages,APIs/Libraries knowledge - Python and Advanced Python Libraries, MapBox.js for map-based visualizations,Stripe API for payments, SendGrid for sending emails, Nivo.js for graph visualizations

## SOFT SKILLS

Attention to detail,Problem Solving and Flexibility

Team work and co-operation

Confidence and self management Communication

Training, teaching and learning

Professional fluency in English and Native or Bilingual Proficiency in Hindi

## CERTIFICATES

Node with React: Full Stack Web Development (09/2020 - Present)
*https://udemy-certificate.s3.amazonaws.com/pdf/UC-6957733a-779e-447f-9d22-e0732bb41953.pdf*

Angular and Node.js-MEAN STACK guide (08/2020 - Present)
https://www.udemy.com/certificate/UC-1c015ce4-2241-4a1e-adba-9bb46d72d1a3/

Docker and Kubernetes (08/2020 - Present)
*https://www.udemy.com/certificate/UC-a0c555d9-0b33-4992-ad16-1ce199f07b7b/?utm_campaign=email&utm_source=sendgrid.com&utm_medium=email*

## VOLUNTEER EXPERIENCE

Arpan (04/2016 - 10/2016)
*Arpan is a non-profit organization in collaboration with Infosys, working in the rural areas of India by teaching the children and also spreading awareness among their parents about the importance of education, health and living.*

Voice of Youth (05/2016 - 11/2016)
*Voice of Youth is an organization within Infosys which helps organizing events and build relation and team spirit among the employees. The organization also try to raise funds in order to help the working staff of the company.*

## INTERESTS

Bio-Informatics    Travelling    Full stack Web Development

Data Science    Reading