Nayanika Bhargava

Full-Stack Developer

- Permanent Resident of Canada
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- Portfolio
- https://www.linkedin.com/in/nayanika-bhargava-37393ba0/
- https://github.com/nayanika2304

Education

Masters of Science in Computer Science,
University At Albany, State University of NY
Jan 2017 – Dec 2018 | Albany, United States

Skills

ReactJS, React-Redux, Javascript
Frontend Development
● ● ● ● ○

NodeJS, Express, Django Web Framework
Backend Development
● ● ● ○ ○

HTML, CSS
Tailwind, AntDesign, Material-ui
● ● ● ● ○

Python
Pandas, NumPy, Scrapy, other advanced libraries
● ● ● ● ○

Jest, Pytest
Testing
● ● ● ○ ○

Database Management
PostgreSQL PostGIS, QGIS,SQL, ElasticSearch
● ● ● ○ ○

CI/CD, Task Management
Github, Docker, Google Cloud Platform, Jira
● ● ● ○ ○

Data Visualization
Nivo.js, Mapbox.js, LightAdmin, Wieldy
● ● ● ○ ○

Languages

Hindi
● ● ● ● ○

English
● ● ● ● ○

Professional Experience

Full Stack Developer, *Citylitics*
Jul 2021 – present | Toronto, Canada
- Worked closely with the product team to build a software solution to deliver predictive intelligence on North American utility & public infrastructure markets
- Worked within an agile team and helped prioritize and scope feature request to ensure that the biggest impact features were worked on first
- Responsible for developing features and API design using **React-Redux** and **Django Web Framework** for the client facing platform.
- Owned the development of new features and changing **UI framework** to include **Ant-design** and **Weildy** on client facing platform.
- Investigated and added a change management process to enhance testing and product management during different levels of development involving **LambdaTest** for cross-browser testing, **LaunchDarkly** for feature flagging and **SendGrid** for sending dynamically generated emails to customers
- Researched and implemented features along with constantly improving an underlying architecture of a web crawler using **Scrapy** for scraping publicly available data and documents and **RabbitMQ** for post processing requests using Pika
- Improved an in-house data mining project leveraging **ElasticSearch** to fetch insights based on queries and deliver reports to the customers.
- Resolved team queries and mitigated critical production related bugs.
- Attended trainings related to **Google Cloud Platform** for exposure to the cloud services
- Mentored entry level interns for projects with the team, performed code reviews for peers as well as interns and guided them to complete deliverables.
- Helped in conducting and managing the recruitment process for developers and interns

Full Stack Developer, *Research Foundation for SUNY*
Jan 2019 – Jun 2021 | Albany, United States
- Worked on 4+ full stack web applications to analyze and process data for multiple clients using latest industry adopted technologies and frameworks like **React, Redux, Node** and **Express,Falcor API**
- Owned the data modeling and schema updates to handle multiple divergent use cases and datasets making it more user friendly and reducing data load time by more than 90% utilizing **PostgreSQL & PostGIS**
- Mitigated critical level bugs and contributed to cross-functional team discussions to determine problems, implementing rigorous test methods on the backend using **Jest.js** resulting in up-time of 99%
- Authored code evaluations and unguided research commissioning specific field expertise to investigate project research issues utilizing **Python** for data mining to increase development speed by 20%
- Developed a user friendly web-app for the planning team to manage all information related to the multiple clients for storing data and reducing workload by 90% along with application security to enable authentication for multiple external organizational accounts and users
- Implemented interactive visualization tools for community indicators, hazard mitigation and transportation using **Mapbox.js & Nivo.js** leading to $500,000 in incremental revenue

Web Developer/Student Assistant,
Center for Women in Government and Civil Society
Jun 2018 – Dec 2018 | Albany, United States
- Implemented operational practicality and developed quality assurance procedures reducing the manual data related errors by 100%
- Controlled research, design, and execution of the web application by investigating areas of enhancement and developed actionable solutions to increase efficiency and accuracy by 90%
- Analyzed and automated data analysis for 6 different datasets & methodologies for a project and added new features utilizing technologies like **advanced python libraries** and React

Systems Engineer, *Infosys*
Jun 2015 – Nov 2016 | Chandigarh, India
- Completed Generic Training in **Python, MySQL** and **concepts of Software Engineering** and stream training in **Java** Enterprise applications with a 90% passing score
- Resolved more than 10 client generated tickets and developed presentation, persistence and business tiers for multiple projects
- Furthered expertise in basic and advanced concepts of Software Engineering such as **Object-oriented programming**, **database management**, bug solving, project design and architecture with a 100 % score

Certificates

- Certificate of Internship at Center for women in Government and Civil Society through APAPA organization