

Ipsha Menon

www.linkedin.com/in/ipshamenon

Experience

Full Stack Engineering Intern @ Cognizant (June 2021 → Aug 2021)

- Worked on the Enterprise Engineering team as a Full Stack engineer, where I completed a 4 week enablement focused on lectures and coding projects to develop frontend, backend, and testing skills primarily using Java SpringBoot and Angular
- Created a mock e-commerce Auction website alongside 11 interns to facilitate our learning which included developing backend CRUD functionality and implementing frontend UI requirements provided by the design team
- Collaborated with interns to maintain and deploy new features on a full stack Carbon Footprint proof of concept project using Agile methodology and version control to adapt to changing requirements for the following 4 weeks of the internship

Projects

To Do List Application (2022)

Built using Node.js/Express and MongoDB/mongoose and deployed on Heroku:

- The user is able to access the default list on the homepage to add and delete tasks that will be added to the Mongo database
- Using routing parameters, users can create custom lists for specific tasks

Weather Forecasting Application (2022)

Built using codebase in HTML/CSS and Node.js/Express.js for the backend/API, deployed through Heroku:

- The user is able to input any location and the application will return the current weather forecast of that location
- The application retrieves weather information using endpoints from the OpenWeatherMap API
- Created the resulting weather webpages using EJS templates

Image Processing Microlibrary (2022)

- A small library for applying a series of transformations to an image written in JavaScript
- The library supports two transformations: Invert the image's colors and randomly rearrange the pixels of the image

Rock Solid Industrial Parts Case Study - Digital Transformation (Aug → Dec 2021)

- Conducted a needs analysis on the operational structure of a company to understand technology capacity and support the company's strategic growth plan
- Analyzed sales, inventory and warehouse management data and developed IT solutions to best support profitable revenue growth
- Increased efficiency and automated company processes by adopting appropriate CRM systems, eliminating legacy practices and technology

Kaggle Yelp Dataset Study (Jan → May 2020)

- Used the Kaggle Yelp dataset to address questions regarding Yelp users first reviews to understand whether individuals join the platform to praise or pan a business, employing the number of star ratings
- Utilized SQL and PySpark to wrangle the dataset and interpret the unstructured data
- Visualized the results from queries using Tableau to provide Yelp with data insights on why Yelpers join the platform

[www.github.com/ipshamenon](https://github.com/ipshamenon)

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Education

San Jose State University (May 2022)

BS Management Information Systems
Minor Computer Science

Lucas College of Business Dean's Scholar (2020-22)

Coursework

- Advanced Data Structures and Algorithms
- Object Oriented Design & Programming
- Web Based Computing
- Database Management Systems
- Business Strategy & Information Systems
- Big Data
- Networking & Data Communications

Skills

Product

Figma, Postman, Agile methodologies, Heroku, REST APIs, Adobe Creative Suite(Photoshop, Illustrator), SEO, Salesforce

Frontend

React, JavaScript, HTML/CSS, DOM, EJS, jQuery, Bootstrap, Material UI

Backend

NodeJS, Express, Java/SpringBoot, Python/PySpark, SQL, MongoDB, Mongoose

DevOps

Git, Bash, Jenkins

Volunteering

Kalashree Foundation

- Create and maintain content for [indianclassicalmusic](https://indianclassicalmusic.org/), an online digital library aimed at documenting knowledge about Indian Classical music through Squarespace
- Manage social media and increase engagement across platforms