Shabarish Nair

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Education

University of Maryland **Aug. 2020 – May 2024**
Bachelor of Science in Computer Science, GPA: 3.9 *College Park, MD*

- Quality Enhancement Systems and Teams(QUEST) Honors Program
- Business, Society, and Economy(BSE) Scholars Program

Technical skills

Languages: : JavaScript, Python, Java, Go, CSS,Ruby, C, OCaml
Frameworks: React, Angular, ExpressJS, Node.js, Jasmine, Karma, JUnit
Developer Tools: Git, Postman, VS Code, MongoDB, Firebase, AWS EC2, Google Cloud Platform, Docker
Libraries: pandas, NumPy, Matplotlib, sci-kit learn, seaborn, statsmodels

Experience

Software Engineer Intern **June 2023 – Present**
Capital One *McLean, VA*

- Amplified productivity for thousands of teams by designing and developing an analytics solution that tracks usage of a testing tool for over 10,000 developers, guiding actionable enhancements for the testing tool.
- Leveraged a Python library, a Node.js API, and a React-based UI to collect and display valuable usage metrics.
- Orchestrated AWS Lambda, S3, and CloudWatch to connect CLI with cloud-hosted pages.
- Utilized Jest, Behave, Postman, Mocha and Pytest to achieve code coverage of 90% across the application.
- Created comprehensive documentation to provide future developers with a solid foundation for project expansion.

Software Development Intern **May 2022 – Aug. 2022**
Siemens *Remote*

- Optimized the IoT solutions platform, MindSphere, by updating front-end components and backend processes.
- Redesigned 6 screens and simplified creation of digital assets with Angular JS; Jasmine/Karama used for testing.
- Streamlined UI with new features(search, pagination, calendars), saving 15-20 minutes for thousands of users.
- Saved 15 minutes of busy work work the team by automatting the reformatting of JSON data for REST requests with Python

Data Science Consultant **Aug. 2022 – Dec. 2022**
American Red Cross *College Park, MD*

- Developed a proposal that significantly increased the expectation of lifelong donors by identifying trends from a dataset containing 230,000 donors.
- Cleaned and combined multiple datasets and created new features which removed the need for 50% of datasets.
- Successfully identified the top donor trends by applying machine learning classification techniques such as kmeans clustering, logistic regression, PCA, and linear regression; Pandas/Matplotlib/Seaborn used.
- Recommended procedures that achieve a significant reduction in time and cost for donor appointment registration.

Projects

Y-Knot | *Agile, ReactJS, Firebase, HTML, CSS* **Feb. 2023 – May 2023**

- Developed a course management portal using ReactJS and Firebase, automating classroom management tasks and streamlining program coordination for Y-Knot, a non-profit community support group serving at-risk youth.
- Successfully reduced manual tracking and coordination efforts, resulting in a significant increase in operational efficiency and enabling Y-Knot to better support struggling students in the D.C. area.

Snipe App | *Node.js, ReactJS, ExpressJS, Postman, Docker, MongoDB* **Jan. 2022 – Present**

- Creating an app that scrapes 3 shoe marketplaces (StockX, GOAT, Stadium Goods) and presents bid and ask data.
- Helping online businesses determine the best selling price, while helping retail consumers find the cheapest option
- Expediting the price viewing process to be 41 times faster than manually searching for prices on all marketplaces