Nikhil Naikar

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Skills

- C++ | Java | Python | HTML5 | CSS3 | JavaScript | jQuery | Bootstrap | Node.js | Vue.js | Spring Boot | Flask | AWS | Docker | Jenkins | CI/CD | MySQL | OOP | SOLID | JUnit | Black/White Box Testing | Selenium | PySpark | Databricks | TensorFlow | NLP | Scikit-learn | Git

Experience

Software Engineer Intern   **Benevity**   **05/2023 - 08/2023**

- Collaborated with a team to design and construct a donor specific annual wrap up for social media sharing in an agile environment.
- Built backend using Java Spring Boot, made Get Requests to Benevity's platform API, to collect and locate data from the XML responses.
- Created multiple REST API endpoints so the frontend could retrieve the necessary information for generating the wrap up infographics.
- Constructed the user Interface with HTML5, CSS3, JavaScript, Vue.js and by following Benevity Skyline styling guidelines.
- Performed serverless development to AWS (EC2 instances and S3 bucket) by utilizing Docker containers and a CI/CD pipeline.
- Added social sharing feature, so that user can share their infographics to their social media platforms like LinkedIn, Facebook, Instagram.

Project Manager Intern   **Siemens Energy**   **05/2021 - 08/2022**

- Aided in scheduling, managing field service inventory, and setting up transport for freight.
- Completed multiple procurement tasks to acquire equipment for field service team.
- Led and assisted with weekly update meetings for customer and professional engineers.
- Performed several documentation tasks like modifying excel files, editing AutoCAD drawings, updating documents.
- Worked with field service team on installations and refurbishment tasks on several transformers at the Red Bluff Substation and Cascade Power Plant.

Education

Master of Engineering   **University of Calgary**   **11/2023**

- Specialization in Software Engineering, GPA: 3.9

Bachelor of Science   **University of Calgary**   **04/2022**

- Major in Electrical Engineering, GPA: 3.4

Projects

Airbnb Sentiment Price Forecasting   **Big Data**   **01/2023 - 04/2023**

- Worked with a team to build a Price Prediction model by using the listing details data and sentiment analysis of the listing reviews.
- Performed Big Data Analysis using Databricks, worked with over 100,000 rows of data with multiple features.
- Preprocessed the raw review data: filtered for English reviews, eliminated stop words, removed punctuation, spellchecked words, and applied the Snowball Stemmer.
- Experimented with TF-IDF and HashingTf methods to extract the features from the preprocessed reviews.
- Explored many ML algorithms, like random forest, naive bayes, logistic regression, linear regression, decision trees, and gradient boosting.

HNM Clothing Store   **Database Design**   **01/2023 - 04/2023**

- Collaborated with a team to build a clothing store website.
- Designed the SQL database using enhanced entity-relationship diagrams and relational models.
- Coded the backend using Python, Flask framework, SQLite database and SQLAlchemy library to effectively manage and store the data.
- Designed the frontend using HTML5, CSS3, JavaScript, and the Bootstrap framework.

FODS   **Aurora Wireless Networks**   **09/2021 - 04/2022**

- Worked together with a team to design and build a farm overheating detection system utilizing MLink technology. This system monitors the temperature and GPS location of equipment, and alerts farmers via phone app when their equipment reaches critical temperature thresholds.
- Created a MySQL database on AWS and programmed the MLink base to enable transmission of the data to the server and ensure its proper storage.
- Assisted with testing the functionalities of the MLink base and the multiple MLink endpoints on W.A ranches.

Others

- AWS Certified Cloud Practitioner
- Training for AWS Solutions Architect Certificate, exam scheduled in November