Nikhil Naikar, E.I.T

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About Me

- Hard Worker | Passionate | Team Player | Problem Solver | Communication Skills | Detail Oriented | Always looking to learn and grow

Skills

- C++ | Java | Python | HTML | CSS | JavaScript | Vue.js | Spring Boot | Flask | AWS | Docker | Jenkins | CI/CD | MySQL | OOP | SOLID
JUnit | Black/White Box Testing | Microsoft Office | PySpark | Databricks | TensorFlow | NLP | Scikit-learn | C | C# | Assembly Language
VHDL | AutoCAD | MATLAB | PowerWorld | Quartus Prime | Modelsim | Multisim | ETAP | LT Spice | Oscilloscope | Waveform Generator

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.

SCETA Cohort 7 & Project Manager Intern	**Siemens Energy**	**05/2021 - 08/2022**

- Aided in project scheduling, managing field service team inventory, and setting up transport for freight.
- Completed multiple procurement tasks to acquire equipment for field service team.
- Led and assisted weekly update meetings with customer and professional engineers.
- Performed several documentation tasks like modifying excel files, editing AutoCAD drawings, updating documents.
- Worked on field (Quensel, Edson) with field service team on installations, refurbishment, and testing 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.

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

- Worked together with a team to design and build a farm overheating detection system utilizing RF MLink technology.
- Assisted with the design of the system architecture and the PCBs for the MLink base and the three MLink endpoints.
- Programmed the MLink endpoints to record the temperature and GPS location of farm equipment and send the data to AWS.
- Aided in the design of app, where users can monitor their equipment and get alert notifications.
- Hosted a MySQL database on AWS and programmed the MLink base to collect the data from AWS.
- Implemented good testing practices on all the functionalities of the system in the electrical lab and on the field at W.A ranches.

Others

- WHMIS 2015 Certified
- PSSP CAT 2,3 Certified
- Fall Protection Certified
- Lean Six Sigma White Belt Certified
- AWS Certified Cloud Practitioner
- Training for AWS Solutions Architect Associate Certificate