

# Nikhil Naikar, E.I.T

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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 | C | C# | Assembly Language | AutoCAD | MATLAB | PowerWorld

## 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 RF 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