

# Nikhil Naikar

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## Skills

- C++ | Java | Python | HTML5 | CSS3 | JavaScript | jQuery | Bootstrap | Node.js | Vue.js | Spring Boot | Flask | AWS | Docker | CI/CD
- MySQL | OOP | SOLID | Unit Testing | PySpark | Databricks | TensorFlow | Scikit-learn | Jupiter Notebook | Git | C | Assembly language

## Experience

### 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.
- Lead and assisted with weekly update meetings for customer and professional engineers.
- Performed several documentation tasks like modifying excel files, editing AutoCAD drawings, updating documents.
- Collaborated 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

08/2023

- Specialization in Software Engineering, GPA: 3.9

### Bachelor of Science

#### University of Calgary

04/2022

- Major in Electrical Engineering, GPA: 3.4

## Projects

### Annual Giving Wrap Up

#### Benevity

05/2023 - 08/2023

- Collaborating with a team of three in designing and constructing a donor specific annual wrap up for social media sharing.
- Building backend using Java Spring Boot, to perform the appropriate Get Requests to Benevity's platform API, to collect and locate the required data from the XML responses.
- Creating multiple REST API endpoints so the frontend can retrieve the necessary information for generating the wrap up infographics.
- Constructing the user Interface with HTML5, CSS3, JavaScript, Vue.js and by following Benevity Skyline styling guidelines.
- Performing serverless development to AWS (EC2 instances and S3 bucket) by utilizing Docker containers and CICD.
- Adding social sharing feature, so that user can share their infographics to their social media platforms like LinkedIn, Facebook, Instagram.

### Airbnb Sentiment Price Forecasting

#### Big Data

01/2023 - 04/2023

- Worked in a team of three to build a reliable Airbnb Price Prediction model by using the listing details data and incorporating sentiment analysis of the listing reviews.
- Performed Big Data Analysis using Databricks, worked with about 11,000 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 of three 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 of five 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

- Training for AWS Certified Cloud Practitioner Certification, exam scheduled on August 28.