

Nikhil Naikar

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STRENGTHS / SOFT SKILLS

- Positive attitude, always ready to learn and always willing to take critiques for improving my performance.
- Punctual and detail oriented.
- Team player, able to work effectively with others.
- Comfortable working in high-stress environments.
- Problem-solving skills.

EDUCATION

Master of Engineering, specialization in Software Engineering Schulich School of Engineering, University of Calgary GPA: 3.9	August 2023
Bachelor of Science in Electrical Engineering Schulich School of Engineering, University of Calgary GPA: 3.4	April 2022

SKILLS

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

ACADEMIC / ENGINEERING PROJECTS

Annual Giving Wrap Up Capstone Project with Sponsor Company Benevity	May 2023 – August 2023
<ul style="list-style-type: none">• Collaborating with a team of three in designing and constructing a donor specific annual wrap up for social media sharing.• Back end is being built using Java Spring Boot, to perform to appropriate Get Requests to Benevity's platform API, locate and collect the data from the XML responses.• User Interface will be built using HTML5, CSS3, JavaScript, Vue.js and by following Benevity Skyline styling guidelines.• Plan for serverless development to AWS by utilizing Docker containers and CICD.	
Sentiment-Based Airbnb Price Forecasting Big Data Project	Jan 2023 – April 2023
<ul style="list-style-type: none">• Collaborated with a team of three to build a reliable Airbnb Price Prediction model by incorporating sentiment analysis of the listing reviews alongside with the listing information.	

- Performed Big Data Analysis using the Databricks platform to build this model.
- 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 various machine learning algorithms, including random forest, naive bayes, logistic regression, linear regression, decision trees, and gradient boosting, when building the model.

HNM Clothing Store

Jan 2023 – April 2023

Database Design Project

- Collaborated with a team of three to build a clothing store website.
- Designed the SQL database using an enhanced entity-relationship diagram and relational model.
- Backend was built using Python, Flask framework, and leveraged SQLite database and SQLAlchemy library to effectively manage and store the data.
- Frontend was build using HTML5, CSS3, JavaScript, and the Bootstrap framework.

FODS - Farm Overheating Detection System

September 2021 – April 2022

Capstone Project with Sponsor Company Aurora Wireless Networks

- Worked together with a team of five to design and build a 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 1 MLink base and 3 endpoints on W.A ranches.

WORK EXPERIENCE

Siemens Energy

May 2021 - August 2022

SCETA Cohort 7 & Project Manager Intern

- Documentation tasks – modifying excel files, editing AutoCAD drawings.
- Aided in scheduling 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.
- Collaborated with field service team on installations and refurbishment tasks on several transformers at the Red Bluff Substation and Cascade Power Plant.

OTHER

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