Nikhil Naikar

1177 11 Ave SW
Calgary, Alberta T2R 1K9
nikhil.naikar123@gmail.com - 587-969-2815

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   August 2023
Schulich School of Engineering, University of Calgary
GPA: 3.8

Bachelor of Science in Electrical Engineering   April 2022
Schulich School of Engineering, University of Calgary
GPA: 3.4

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   May 2023 – August 2023
Capstone Project with Sponsor Company Benevity

- 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   Jan 2023 – April 2023
Big Data Project

- 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.