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# Nikhil Naikar, MEng

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## Skills

- **AI:** Scikit-learn, Databricks, PySpark, TensorFlow, Natural Language Processing (NLP), GitHub Copilot
- **Programming:** Python (NumPy, Pandas, Matplotlib, Seaborn, Beautiful Soup, Flask), Java (Spring Boot), C++, JavaScript (Vue, Pinia, React, Redux, Node, Express), HTML, CSS, SQL
- **Other:** Linux, Docker, MySQL, Jenkins, Git, OOP (SOLID), Data Analysis, Data Visualization, Web Scraping
- **Certificates:** AWS Solutions Architect Associate, AWS Cloud Practitioner

## Experience

| **Software Engineer Intern** | **Benevity** | **May 2023 – Aug 2023** |
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- Developed a full stack feature similar to Spotify's yearly 'Wrapped' summaries for Benevity's platform (10M+ users), aimed at showing gratitude to users and promoting brand awareness.
- Practiced Agile methodology, held Sprints, maintained open communication with stakeholders on Slack and weekly update meetings on Teams to demo progress, get feedback, and validate that expectations are met.
- Led backend development, created APIs, achieved response times under 200ms for simple processes and under 2s for complex processes using Java and Spring Boot.
- Designed appealing infographics and user-friendly workflows with Figma, and developed the frontend using Vue.
- Reduced deployment time by 70%, automated deployment onto AWS by building a CI/CD pipeline using Jenkins Docker, GitHub.
- Ensured code was 100% bug free, wrote JUnit tests to check basic functionality, edge cases, and error handling.
- Earned a satisfaction score of 95% from the industry sponsor client after the final presentation and demonstration.

| **Project Manager Intern** | **Siemens Energy** | **May 2021 – Aug 2022** |
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- Improved project efficiently, supported the lead project manager throughout multiple project lifecycles.
- Maintained client relations, led meetings to deliver updates, address issues, solutions and outline the next steps.
- Reduced project delays by providing on-site support to the field service team with emergent needs or labor tasks.
- Achieved 100% compliance with site requirements by managing timely completion of service team certifications.
- Ensured projects stayed on track and within budget by tracking progress, expenses, and reporting to lead manager.
- Oversaw procurement and site logistics, lead to smooth project operations and high service team satisfaction.

## Education

| **Master of Engineering** | **University of Calgary** | **Nov 2023** |
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- Specialization in Software Engineering, GPA: 3.9
- Machine Learning (AI), Cloud Computing, Databases, Algorithms, Data Structures, Deep Learning

| **Bachelor of Science** | **University of Calgary** | **Apr 2022** |
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- Major in Electrical Engineering, GPA: 3.4
- Programming Fundamentals, Computer Networks, Principles of Software Development

## Projects

*To view more projects, kindly refer to my website or GitHub*

| **Airbnb Price Prediction** | **AI** |
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- Built an AI model to help Airbnb hosts to accurately price their properties and to help customers evaluate the pricing fairness. The model categorizes the prices as great, good or okay.
- Improved data quality by preprocessing reviews, including stop word removal and snowball stemming.
- Reduced time to label the data by 85%, prompted ChatGPT to label the reviews as positive, neutral, or negative.
- Trained a NLP model to perform sentiment analysis on the remaining reviews.
- Significantly accelerated AI model development by utilizing Databricks, PySpark and Python.