

# Neehar Namjoshi

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## EDUCATION

### University of Connecticut, Stamford CT

Master of Science in Business Analytics and Project Management (MSBAPM)

Expected Grad: May 2024

4.0/4.0 GPA

### University of Wisconsin-Madison, Madison, WI

Bachelor of Science in Mechanical Engineering

Dec 2019

Certificate in Manufacturing Engineering

3.6/4.0 GPA

**Programming Languages and Tools:** AWS, GCP, SQL, Python, R, Excel, Java, MATLAB, Simulink, EES, LabVIEW, G-Code, PySpark, ML

**Data Analysis and Visualization:** Excel, Tableau, PowerBI, JMP, SAS, MS Access, MS Visio

**Engineering Software and Tools:** SolidWorks, NX, FEA (Finite Element Analysis), Moldex3D, CNC (Computer Numerical Control), MS Office

**Project Management and Collaboration Tools:** JIRA, Agile Methodology, Waterfall Methodology, MS Project

**Other Skills:** Hadoop, Machining, ROScore (Robot Operating System), Advanced Analytics, Statistics

**Relevant Courses:** Data Science with Python, Data Mining, Cloud Computing, Data Management and Business Process Modeling

## WORK EXPERIENCE

### Business Specialist/Analyst | Connecticut Information Technology Institute | Stamford, Connecticut

May 2023 – Present

- Conducted thorough data wrangling for a database with 5000+ registrar of voters (ROV) records, meticulously addressed missing values to ensure data integrity, resulting in enhanced accuracy and reliability of voter information.
- Extracted information from over 10 disparate sources to create a comprehensive data report, offering a consolidated view of active and inactive ROVs, their completed sections, and completion dates in a user-friendly format for client requests.
- Analyzed and rectified discrepancies in payments for ROV courses, successfully recovering over \$10,000 in missing payments.

### Patent Engineer/Analyst | Cardinal Intellectual Property | Evanston, Illinois

Mar 2020 – Nov 2022

- Scrutinized various inventions for patentability and industrial applicability from an engineering perspective to aid in patent litigation.
- Drafted 200+ US and international patent application search reports for the United States Patent and Trademark Office.
- Conducted prior art analysis across diverse technical fields, including mechanical systems, robotics, manufacturing processes, renewable energy, aerospace, medical devices, food and beverage, agriculture, and household appliances.

### Mechanical Engineering Intern | FLEx Lighting LLC | Chicago, Illinois

May 2019 – Aug 2019

- Designed and 3D printed a fixture for installing an in-house vision system and Coordinate Measuring Machine (CMM).
- Crafted an innovative proof of concept jig to streamline product assembly, employing advanced geometric modeling techniques.
- Conducted root cause analysis of defects in the front light panel variance using the vision system.
- Installed pneumatic clamps and wired pneumatic hoses for the assembly of the lamination machine.
- Implemented wireless 3D printing capabilities on a 3D Printer using Raspberry Pi and Linux software.

### Engineering Intern | Mercedes-Benz Vans, LLC | Ladson, South Carolina

Jun 2018 – Dec 2018

- Enhanced production efficiency by tracking downtime in the body shop using Excel macros and root cause analysis.
- Developed standardized weld spot documentation for ultrasonic and destructive testing of product variants by analyzing CAD drawings.
- Led meetings to discuss and delegate tasks for resolving a variety of production line issues.
- Improved production robot accuracy by relocating stud and weld spots through CAD drawing reference.

## COURSEWORK EXPERIENCE

### Enhancing Logo Recognition for Retailers | Stamford, Connecticut

Oct 2023

- Web scraped using Bing Image Downloader and gathered 600 images using Python.
- Developed a vision system using Convolutional Neural Network (CNN) model with data augmentation.
- Utilized the vision system to identify merchandise containing either Nike or Adidas logos, ensuring brand authenticity.
- Enhanced customers' online shopping experiences by improving logo recognition accuracy.

### Sentiment Analysis of Oscar-Nominated Movie Trailers | Stamford, Connecticut

June 2023

- Utilized text mining techniques such as tokenization and NLP to assess sentiments in Oscar-nominated movie trailer comments across diverse genres.
- Generated curated sentiment lists with over 500 emotional keywords, strategically using start and stop words for precise emotion extraction and noise reduction.
- Applied unsupervised text mining algorithms to uncover trends, providing actionable business recommendations for media platforms to elevate content creation and user engagement.

### StarCraft 2 Player Prediction for Esports Recruitment | Stamford, Connecticut

May 2023

- Developed a Neural Network model achieving 98.4% accuracy in predicting top-tier StarCraft 2 players, aiding Esports organizations in strategic recruitment and enhancing championship-winning probabilities.
- Provided data-driven personalized recommendations for high-potential players to optimize team performance and retention strategies.