

# Imaan Sidhu

Analytical and creative mechanical engineering professional with experience spanning design engineering, systems analysis, and product development. Eager to join an engineering role and apply a proven track record driving process optimization, cost reduction, and quality enhancement.

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## Education

### Columbia University

08/2022 - 12/2023

#### MS in Mechanical Engineering

GPA: 3.41/4.0

### Purdue University

08/2018 - 05/2022

#### BS in Aerospace and Astronautical Engineering

GPA: 3.30/4.0

## Skills

- Data Analysis - Python, Matlab, SQL, VBA, PowerBI
- Fluid Mechanics & CFD - Ansys Fluent, Fortran
- CAD - Solidworks, Catia, Creo, NX

## Work experience

### Entuber Strategy - Darien, CT

05/2024 - Present

#### Systems Analyst - Contract

- **Optimization of Customer Service Tickets:** Strategically designed and deployed solutions to automate the classification and prioritization of customer service tickets, achieving an 8% reduction in average handling time and enhancing overall operational efficiency.
- **Development of AI-Driven SAP Assistance:** Conceptualized and implemented an AI assistant for SAP users, significantly reducing onboarding time and improving user experience through personalized guidance and automated support functionalities.

### Navios Maritime Holdings - Tokyo, JP

05/2023 - 07/2023

#### Engineering Intern

- **Technical Translation & Insight Development:** Translated technical observations from factory tours into actionable data-driven insights. Utilized analytical skills to address engineering and business challenges, driving operational improvement.
- **Operational System Optimization:** Conducted in-depth analysis of cargo shipping routes, uncovering trends and patterns that provided valuable insights into logistical efficiencies and market dynamics within the shipping industry. Applied findings to support decision-making processes, showcasing an ability to derive actionable insights from complex data sets and contribute to operational optimization efforts.

### Rolls-Royce Corporation - Indianapolis, IN

06/2021 - 08/2021

#### Manufacturing Engineering Intern

- **Data Analysis & Reporting:** Spearheaded the creation and presentation of detailed reports using SQL and Power BI, providing critical feedback that led to a 0.3% reduction in production scrap rates; guided key manufacturing tool design decisions.
- **Production System Audit & Enhancement:** Managed a pivotal project auditing production floor tracking system utilizing Python. Produced analyses that bolstered data integrity and system reliability, streamlining workflow and decreasing production lead time by 4 hours on average.
- **Script Development for Efficiency Improvement:** Engineered a Python script to rectify discrepancies in machine reports and mitigate error-prone variables. Resulted in improved production efficiency and assisted in the decision-making process for a potential recall.

### Kihomac Incorporated - Layton, UT

05/2019 - 07/2019

#### Aerospace Engineering Intern

- **Warehouse Data Integration & MATLAB Programming:** Led a project to integrate warehouse data into a MATLAB-based program, culminating in a consolidated and more efficient supply management system; reducing the project timeline from 4 weeks to 1 week.
- **Manufacturing Tool Design & Efficiency:** Orchestrated collaboration between engineering and floor workers to design and construct specialized manufacturing tools; reduced production time and minimized material waste.