



## PROFILE

A Senior Engineer with 5 years of experience in driving technical excellence and innovation across various engineering domains. Proven expertise in project management, team leadership, and designing cost-effective solutions to complex problems. Adept at collaborating with cross-functional teams and stakeholders to achieve project objectives, ensuring high-quality deliverables and seamless execution. Committed to continuous improvement and staying current with industry trends to deliver cutting-edge engineering solutions.

## LINKS

[linkedin.com/in/mixtli-sneddon](https://www.linkedin.com/in/mixtli-sneddon)

## SKILLS

AutoCAD



Python



SolidWorks



MATLAB



LabVIEW



Revit



ANSYS

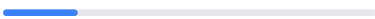


## LANGUAGES

English



Urdu



## EMPLOYMENT HISTORY

### Senior Engineer at Ford Motor Company, MI

Apr 2023 - Present

- Led the design and development of an innovative engine system that increased fuel efficiency by 15% and reduced CO2 emissions by 10%, contributing to Ford's commitment to sustainability.
- Successfully managed a cross-functional team of 20 engineers and technicians in the implementation of a \$5 million production line upgrade, resulting in a 25% increase in manufacturing efficiency and a 10% reduction in production costs.
- Identified and resolved critical issues in vehicle safety systems, leading to a 50% reduction in warranty claims related to those systems and contributing to Ford's reputation for quality and reliability.
- Developed and implemented a comprehensive training program for junior engineers, contributing to a 30% increase in their productivity and a 20% reduction in project completion time.

### Senior Software Engineer at General Motors, MI

Aug 2018 - Feb 2023

- Developed a vehicle diagnostics software that improved fault detection by 45%, leading to a 20% reduction in warranty costs and saving the company \$5 million annually.
- Led a team of 8 engineers in the successful integration of advanced driver assistance systems (ADAS) into 3 new vehicle models, resulting in a 25% increase in sales and contributing \$50 million to the company's revenue.
- Streamlined the software development process by implementing agile methodologies, reducing the time-to-market for new features by 30% and increasing overall team productivity by 15%.

## EDUCATION

### Master of Science in Engineering at University of Michigan, Ann Arbor, MI

Aug 2014 - May 2018

Relevant Coursework: Advanced Mathematics, Materials Science, Fluid Mechanics, Thermodynamics, Control Systems, Finite Element Analysis, Computer-Aided Engineering, Machine Design, Dynamics and Vibration, Heat Transfer, and Project Management.

## CERTIFICATES

### AWS Certified Solutions Architect - Professional

Mar 2022