

Sam Bhatt

Summary

A motivated Mechanical Engineering student with 5+ years of experience designing and innovating products. Demonstrates strong leadership qualities and great attention to detail.

Education

Bachelor's Degree in Mechanical Engineering

08/2021 – 12/2024

Purdue University

West Lafayette, IN

High School Diploma

09/2017 – 06/2021

Technical Skills

Programs: Autodesk CFD, Inventor, Fusion 360, Eagle, SolidWorks, NX, MS Office Suite, and MATLAB

Programming Languages: C, C#, Java, PHP, MySQL, HTML5, and Python

- ❖ Familiar with Design for Manufacturability (DFM) and Design for Assembly (DFA) methods
- ❖ Trained in operating the manual milling machine, lathe, vertical and horizontal band saw, drill press, soldering iron, belt sander, and 3D printer
- ❖ Capable of reading engineering drawings and manufacturing metal components

Projects

Spoiler Assembly – Autonomous Motorsports at Purdue (AMP)

08/2021 – Present

Purdue University

West Lafayette, IN

- ❖ Led mechanical sub-team comprised of over 10 students from 2022 and onwards
- ❖ Designed parts in SolidWorks and performed FEA to verify material structural integrity
- ❖ Created 5+ engineering drawings to aid in part manufacturing
- ❖ Improved downforce generated from spoiler by 35% through CFD analysis

Work Experience

Website Designer

01/2018 – 01/2020

Freelance

- ❖ Developed over 10 different websites using PHP, MySQL, and HTML5
- ❖ Gained oral and written communication skills from talking to customers
- ❖ Learned valuable business management skills
- ❖ Reduced load times of web pages by 30%

Awards

- ❖ Granted a Provisional Patent on a self-made invention in 2020
- ❖ Received Engineering Inspiration Award in 2018
- ❖ Received Presidential Award for Academic Excellence in 2017