

Tanmay Chhatbar

Aspiring Automotive Engineer

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As a dedicated engineering student with a passion for innovation driven by curiosity and competitive spirit, I understand the value of fluency in technology, and enjoy working in all related avenues.

EDUCATION

Master's in Science, Automotive Engineering (Ongoing)

Clemson University (CU-ICAR)

2021-2023, Greenville, SC

Bachelor of Technology, Mechanical Engineering

Mukesh Patel School of Technology Management and Engineering

2016 - 2020, Mumbai

WORK EXPERIENCE

Automation Controls Designer

Starch Products (Family Business)

2017 - 2021

Implemented multiple automation solutions to reduce dependency on labor

- Weigh-metric, volumetric auto-fill systems
- Variable valve control for fluid flow
- Pulse based rate counter to estimate flow speed, appx. total flow

Online Course Moderator

EdX Learning Platform, MOOC-type course

2018 - 2019

- Moderated 'Basic 3D Modelling using Blender, IIT BombayX' course
- Guided 100+ students to better understand and use the software efficiently

COMPETITION EXPERIENCE

SAE Aero Design East, 2019

7th Place in Mission Performance

Technical Head (2018 - 2019)

- Led the design of fuselage, landing gear and tail-section of aircraft
- Assisted in electronics testing, validation and selection

Boeing Aeromodelling, IIT Kharagpur, 2019

3rd Place Overall

Team Captain (2017 - 2019)

- Led the team in design and testing of aircraft
- Assisted in development planning and manufacturing
- Piloted the aircraft to podium

Skills

Systems Design

- Solidworks
- Siemens NX
- Additive Manufacturing
- Programming electronic controllers

Computer skills

- Programming in Python
- Matlab/Simulink

Design for 3D Printing (FDM)

- PrusaSlicer
- Cura
- Repetier

Content creation

- Blender (animation)
- kdenlive (video editing)
- GIMP (photo editing)

Languages

English (professional)

Hindi (fluent)

Gujarati (native)

Social

linkedin/in/TanmayChhatbar

github/TanmayChhatbar

Hobbies

Football, Aeromodelling,
Motorsports, Gaming

