

Tanmay Chhatbar

Aspiring Automotive Engineer

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As a dedicated automotive engineering student with a passion for innovation, I'm 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 Mgmt. and Engg.

2016 - 2020, Mumbai

WORK EXPERIENCE

Hourly research assistant

VIPR-GS at Clemson University

2022-

- Developing scalable VD models for skid-steered, tracked vehicles
- Researching GPS systems utility for autonomous vehicles

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
- Vehicle dynamics modeling

Computer skills

- MATLAB/Simulink
- Simscape
- Programming in Python
- SOLIDWORKS
- Siemens NX
- Additive manufacturing
- MCU development

Content creation

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

Languages

English (professional)

Hindi (fluent)

Gujarati (native)

Social

linkedin/in/TanmayChhatbar

github/TanmayChhatbar

youtube/c/TanmayChhatbar

Hobbies

Badminton, aeromodelling, motorsports, sim-racing

