Tanmay Chhatbar

Aspiring Automotive Engineer

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-

- Researching and developing vehicle dynamics models
- 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 aicraft
- 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

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tanmaychhatbar@gmail.com
tchhatb@clemson.edu
+1 864 787 5604

Skills

- Systems Design
- Vehicle dynamics modeling

Computer skills

- Programming in Python
- Matlab/Simulink
- Solidworks
- Siemens NX
- Additive Manufacturing
- Programming electronic controllers

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, Aeromodeling, Motorsports, Sim racing