

# Prayag Anil Gore

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**SUMMARY:** Graduate in Mechanical Engineering with specialization in Dynamics and Control.

## EDUCATION:

- **University of Cincinnati, Cincinnati, OH.** (Intended May 2021, 3.44 / 4.00 GPA)  
Master of Science in Mechanical Engineering (Dynamics & Control).
  - **PES Modern College of Engineering, Pune, India.** (June 2018, 3.5 / 4.00 GPA)  
Bachelor's Degree in Mechanical Engineering
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**Courses:** Applied Fast Fourier Transform, Elasticity, Modelling & Simulation of Multi-Physics Systems, Dynamics of Machinery, Theory of Machines, Operation Research, Computational Fluid Dynamics, Heat Transfer.

## TECHNICAL SKILLS:

- **Software Tools:** SOLIDWORKS, MATLAB, AutoCAD, MSC Adams, Star CCM+, NASTRAN.
  - **Project Oriented tools:** Design, prototype & test new products & ideas, coding and handling for bulk data.
  - **Application Software:** Word, PowerPoint, Excel.
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## PROJECTS:

- 1] **SAE India Supra 2016 (F3 race car):** I was a part of Steering subsystem wherein I developed an Ackerman steering mechanism and also worked on drafting the design report of the complete vehicle.
  - 2] **Rapid Unit Dispensing Robotically Assisted Mechanism (RUDRAM):** This project involved development of a unit dispensing mechanism from scratch. The work of this project was published at the NCAAT 2018 conference.
  - 3] **Industrial Trolley:** While working as a design engineer at Vega Controls Pvt. Ltd., I worked on a project of developing an industrial autonomous trolley. The subsystems developed by me included steering, brakes and suspension systems.
  - 4] **Frequency domain Analysis of Multiple Input - Multiple Output (MIMO) system :** Developed a MATLAB program to plot FRFs & Coherence functions of a given shaker test data.
  - 5] **Vibro-Acoustic Analysis of a flow through Venturi Tube:** Performed multi physics modelling & simulation using software like MSC Nastran & STAR-CCM+.
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## WORK EXPERIENCE:

- 1] **GÜDEL India Pvt. Ltd. , Pune, India** (Aug 2018 - Mar 2019)  
**Sales Engineer**
    - Studied basics of Industrial Automation and Gantry lines.
    - Got a chance to work with the designing team for designing grippers for steel automation industry.
    - Worked with design teams at GÜDEL and client companies to come up with automation solutions in various industrial setting such as Tyre industry, Paint industry, Steel industry, Automotive industry, Aviation industry, etc.
  - 2] **VEGA Controls Pvt. Ltd., Pune, India.** (May 2018 – July 2018)  
**Junior Design Engineer in R&D Department**
    - Worked on the development of autonomous trolley with designing the steering, suspension and braking systems.
    - Worked on furnace temperature measurement mechanism.
    - Used simulation software to test and analyze multibody mechanisms.
    - Experimented and designed the spatial arrangement of electronic sensors on Smart jacket to be used in industries.
  - 3] **Cummins India Ltd.** (June 2017 – July 2017)  
**Summer Engineering Intern**
    - Engineering intern in my 3rd year of engineering for 2 months where I got the knowledge of how assembly lines, quality control stations and component manufacturing stations of multi cylinder engines work.
  - 4] **Jyotirvidya Parisanstha (JVP) (India's Oldest Association of Amateur Astronomers)** (Sept 2016 – present)  
**Science Popularization Volunteer**
    - Being a part of India's oldest amateur astronomy club, I have conducted hundreds of school lectures, stargazing sessions & observations. Recently I delivered a talk on Navigation Using Astronomy.
    - I have delivered seminars and conducted workshops on the topics of astronomy and science for underprivileged schools and communities. I am a part of 2019 Indian Solar Eclipse observation team. I have public speaking and event management skills that I got to practice over 3 years at JVP
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