

Riyansh Sahare

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Summary

Dedicated and ambitious Mechanical Engineering undergraduate with Honors in Electric Vehicle Design, pursuing a B.E. in Mechanical Engineering (CGPA 8.19/10) at D Y Patil College of Engineering, Pune. Experienced in mechanical engineering, electric vehicle technology, and data marketing. Interned at eZpedal Rideshare (PreVai) Technologies, Pvt. Ltd., contributing to design, market research, standardization, customer analysis, and sales performance improvement. Currently pursuing Diploma in Public Administration and Supply Chain Management.

Education

D Y Patil College of Engineering, Pune	Nov 2022-June 2026
B.E in Mechanical Engineering (CGPA:8.19), Honors in EV Design	
Higher Secondary Certificate (HSC), Maharashtra State Board	2020-2022
Percentage: 74.17%	
Secondary School Certificate (SSC), Maharashtra State Board	2019-2020
Percentage: 85.20%	

Internship

eZpedal Rideshare (Pre-Vai) Technologies Pvt. Ltd, Pune	Dec 2024-Jan 2025
- Contributed to design and market research for electric vehicle solutions - Conducted standardization processes to enhance product consistency - Performed customer analysis to identify market trends and preferences - Improved sales performance through data-driven strategies	

Projects

Experimental Investigation on heat Transfer Analysis of Refrigerant using Turbulent Promoters	Jul 2025-Present
- Analyzed thermodynamic performance and Coefficient of Performance (COP) of low-GWP refrigerants under varying operating conditions - Compared cycle efficiency and environmental metrics to benchmark alternatives to HFC-based systems - Tools Used: Thermodynamic Modeling, Data Analysis	
Ultrasonic Stick With Inflating Pad	Sep 2024-Present
- Designed assistive mobility device integrating ultrasonic sensing for real-time obstacle detection and localization - Implemented embedded system with inflatable haptic feedback pad and illuminated spatial display for object height and positioning awareness - Tools Used: Ultrasonic Sensors, Embedded Systems, Mechanical Design	
Accident Analysis on Samruddhi Expressway	Jan 2023-June 2023
- Collaborated with VNIT Nagpur students to research accidents during the initial phase of Samruddhi Expressway - Developed strategies to enhance road safety and prevent accidents based on data analysis	

Certification

- Certification in Accounting Fundamentals
- Pursuing Diploma in Public Administration & Supply Chain Management
- Pursuing Ansys & Solidworks course on Unithena
- Event Manager of the Year

Position of Responsibility

General Secretary-Student's Council, Jul 2025-Present
-D Y Patil College of Engineering, Pune

- Led student council operations, bridging **student-administration** communication and organizing campus-wide initiatives to boost engagement and drive positive change

Cultural Secretary-Student's Council, Jul 2024-Jun 2025
-D Y Patil College of Engineering, Pune

- Led end-to-end planning and execution of a major college **concert, coordinating logistics, performers, and promotion**

Member, Entrepreneurship Development Cell
-D Y Patil College of Engineering, Pune

Member, Rotaract Club of DYPCOE
-D Y Patil College of Engineering, Pune

Skill

Mechanical Design, Electric Vehicle Technology, Data Analysis, Market Research, Embedded Systems, Standardization, Customer Analysis, Sales Strategy, Thermodynamic Modeling, Statistical Modeling