



Rohan Kelkar

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Education

Vishwakarma Institute of Technology, Pune
Bachelor of Technology, **Mechanical Engineering**

August 2023 - June 2027

CGPA: 7.67 SGPA: 8.5

JEE Main 2023 NTA score

Mathematics: 88 and Physics: 96

Susheela Bahudhani Junior College, Pune (HSC)

12th Standard, All India Secondary School Certificate Examination

April 2021 - February 2023

Percentage: 75.5

City International School, Pune (CBSE)

10th Standard, All India Secondary School Examination

June 2009 - March 2021

Percentage: 78.6

2026 Graduate Aptitude Test In Engineering

AIR 3771

Projects

Development of a motion sensing utility vehicle for item carrying purposes

Fabrication of body and integration of electronics using Arduino ide and Nodemcu esp8266.

Experimental analysis of blood flow through hollow pipe

Plotting velocity, Energy and stress profiles for fully developed flow starting with terminal end of entrance length.

Development of Bluetooth intensity tracking multi axis movable solar energy tracker

Integration of solar energy collection and storage system within a motion sensing Bluetooth controlled vehicle.

Development of a Vertical takeoff and landing unmanned aerial vehicle

By orienting the placement of thruster motors , design modifications and tail configuration variation provided a VTOL better energy efficiency and thrust to weight ratio.

Technical Skills

Core Mechanical: Rigid body dynamics, Machine design, 3D printing, Hybrid and electric vehicles

CAD software: AutoCAD, Autodesk Fusion360

Analysis software: Ansys Workbench

Internship

Worked at Omsaad Industries, a FMCG packaging manufacturing company to gain hands on experience using various tools for duration of 1 week.

Personal Details

Place of residence: Pune, Maharashtra

Age: 20 years

Valid documents: Aadhar Card, Pan card

Hobbies: Swimming, Reading