





ROHAN BALKONDEKAR

MECHANICAL ENGINEER | SOFTWARE DEVELOPER

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EDUCATION

YEAR	DEGREE/EXAM	INSTITUTE	GRADE
• 2019 - 2023	B.Tech, Mechanical Engineering	SGGSIE&T, Nanded	9.38 / 10
• 2017 - 2019	High School Examination	Telangana State Board	96.20 %
• 2016 - 2017	Secondary School Examination	Maharashtra State Board	94.80 %

SKILLS

SOFTWARE

- Languages - **C/C++**, **Rust**, **TypeScript**, **Python**, **C#**.
- HTML, CSS, Data structures, AI/ML.
- Technologies - PostgreSQL, ReactJS, Unity

CAD

- **SolidWorks**, **CATIA V5**, **Fusion 360**, **ANSYS**, **AutoCAD & AutoCAD VBA** deployed in various projects involving **GD&T**, **CFD**, **FEA** and **sheet metal design** along with 2D engineering drawings.

MECHANICAL

- Applied **PLM** principles with **Team center X**, **3DEXPERIENCE** and Windchill software.
- Hands on experience over **Industrial robotics** including smart rover robots.
- **3D Printing** and **Laser Cutting** used to rapidly prototype parts. Created 2D drawings and 3D models based on **DFM/DFX** principles.

ELECTRICAL

- **MATLAB**, Soldering, Wiring.

PROJECTS

SOFTWARE PROJECTS

- Leads Tracker **chrome extension** - HTML/CSS
- **Conway's Game Of Life** - JS, Firebase
- **Hotel Reservation System** - Contentful, Netlify.
- **Memestagram (Insta Clone)** - React, VGG19

E-BIKE DESIGN

- Drafted layout for Electric bike using **AutoCAD**.
- 3D modeled and rendered the e-bike using **SolidWorks** and **Blender**.

DOMESTIC CLARIFIER

- Redesigned and reduced clarifier height by **20%**. Automated sludge removal system using **Arduino**.

EXPERIENCE

iauro Systems | SDE Intern | Pune

January 2023 - Present

- Working on the innovation front, directly with the **CTO**, my job is to discover and work with disruptive, bleeding-edge technologies, analyze feasibility, and efficiency gains, pitch clients, and develop a roadmap for the delivery dept. Worked on: Web3, Web Assembly, AI/ML(LLMs) and mainly **Rust**(Actix Web).

Aspire Industries | Project Intern | Pune

June - July 2021

- Collaborated with engineers and negotiated with clients in design, fabrication, and transportation of pulper employed in the paper mill.

Yuva Tutors | Teacher | Navi Mumbai

April 2020 - Oct 2022

- Taught **JEE** and **NEET** level **Physics** to a class of 30. Improved tests & study-material at national standard

POSITION OF RESPONSIBILITY

PRESIDENT, MESA

July 2021 - December 2022

- Headed Mechanical Engineering Students Association. Led communication and coordination between industry leaders and Students.
- Organized workshops to upskill peers on **industry 4.0**, **AI/ML**, and **Digital twins** and Conducted inter-college technical and sports competitions.

EDITOR-IN-CHIEF, DRISHTI MAGAZINE

September 2021 - December 2022

- Spearheaded publishing of the **official magazine** of SGGS with a team of **50+** students. Planned and executed technical & cultural events throughout year.

ACHIEVEMENTS AND INTERESTS

- Achieved position among the **top 60** from all over India for **INAE** Mentorship program.
- Hobbies include **Digital art** and **animation** using **Blender**, Illustrator, photoshop and **After effects**. Indie Game Developer specializing **Unity**.