



Yatin Saini

Bachelor of Technology
in Mechanical Engineering
Indian Institute Of Technology, Ropar

+91-8727918195
2020meb1335@iitrpr.ac.in
sy.yatinsaini@gmail.com
linkedin.com/in/yatin-saini-7221521b6

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	8.35 (Till 4th Sem)	2020-2024
Senior Secondary	Central Board of Secondary Education	93.8%	2020
Secondary	Central Board of Secondary Education	91.6%	2018

EXPERIENCE

- Team Leader E-Baja** *August 2021 - present*
Faculty Advisor: Dr.Dhiraj K.Mahajan
– Designing and Simulation using MATLAB, Solid Works, ANSYS, Lotus Shark, IPG Car Maker
– Research and design the best performing ATV along with proper safety at minimal cost.
- Research Internship, Waste Additive Manufacturing under Prof. Harpreet Singh** *June 2022 - present*
Working with Malkeet Singh
– Working on new techniques for waste reduction and its future in Additive Manufacturing.
– Doing Life Cycle Analysis along with Circular Economy.

PROJECTS

- Automation of Hydroponics** *April 2022 - Present*
Growing plants without soil
– IOT based automation of hydroponics system.
– Application of Machine Learning to optimise parameters for best plant growth.
- Automated Elliptical Trammel** *April 2022 - May 2022*
Design Lab under Dr. Dhiraj K. Mahajan
– Inversion of Double Slider Crank Mechanism.
– Making it work autonomously.

TECHNICAL SKILLS

- Programming Languages:** C/C++, Python, HTML, CSS
- Simulation Software:** MATLAB, Solidworks, ABAQUS
- Arduino:** Intermediate Level
- Additional Softwares:** MS Excel, Photoshop, Premier pro

KEY COURSES TAKEN

- CSE & Maths:** Introduction to Computing and Data Structures, Probability and Statistics, Calculus, Linear Algebra, Differential Calculus
- Others:** Tinkering Lab, Basic Electronics, Economics, Physics for Engineers, Chemistry for Engineers, Engineering Machine Drawing, Fluid Mechanics, Theory of Machines, Design Lab, Solid Mechanics, English Language Skills
- Additional Courses (except college courses):** Mastering Data Structures & Algorithms, Machine Learning from Stanford University, Statistical Techniques for Agriculturists

POSITIONS OF RESPONSIBILITY

- Representative,** ARTURO, Photography Club of IIT Ropar *Oct. 2021 - Present*
- Student Representative,** CDPC, IIT Ropar *March. 2022 - Present*
- Organising Team Member,** Student Leadership Conclave, IIT Ropar *March. 2022 - Present*
- Event Coordinator,** Zeitgeist IIT Ropar *August. 2021 - August 2021*
- Session Coordinator,** Society of Mechanical Engineers, IIT Ropar *April. 2021 - Present*
- ISMP Mentor,** Institute Student Mentorship Programme, IIT Ropar *April. 2021 - Present*

MISCELLANEOUS

- Achievement,** Mathematics Olympiad Stage 1 *2016*
- Achievement,** National Science Olympiad Stage 1 *2017*