

Saharsh Oswal

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology, Mechanical Engineering (CGPA: 8.48)

Chennai, India

July '17 – April '21

Nowrosjee Wadia College

Higher Secondary Certificate (72.18%)

Pune, India

July '15 – April '17

The Bishop's Co-Ed School

Indian Certificate of Secondary Education (90.20%)

Pune, India

June '03 – April '15

INDUSTRIAL EXPERIENCE

Manufacturing Intern

Bharat Forge Ltd

May 2019 – June 2019

Pune, India

- Compiled an analytical study of the Kurimoto forging press line manufacturing crankshafts and knuckle joints.
- Assisted in generating the performance matrix of the forging and processing line.

PROJECTS

Smart Pathway Cleaner | *AutoCAD, ANSYS, MATLAB & Simulink*

January 2020 – June 2020

- Developed an e-vehicle which detects, segregates and collects waste using sensors and Mechanical components.
- Performed structural and dynamic simulations in different environments.

Adaptable Wrench | *Autodesk Inventor, Cura*

December 2019 – May 2020

- Designed a wrench with hook jaws and a coupling moment action.
- Conducted various tests with different infill density and support structures for the novel design to be 3D printed.

Customized Gating System | *AutoCAD, Altair Inspire Cast*

July 2019 – November 2019

- Developed a customizable gating system for casting a piston head.
- Performed simulations with different materials, temperature and design constraints.

PRESENTATIONS & PUBLICATIONS

Line following robots on Factory floors: Significance and Simulation Study

July '20 – Oct. '20

To be published

- Presented at the International Conference Robotics, Intelligent Automation Control Technologies, VIT Chennai

Industrial IoT in Manufacturing and Supply chain management

Aug. '20 – Sept. '20

International Journal of Scientific Engineering and Applied Sciences

ISSN: 2395-3470

Resource Sharing & Business Convenience in Smart Manufacturing

June '19 – Jan. '20

Test Engineering and Management Journal

ISSN: 0193-4120

- Presented at the International Conference on Contemporary Practices of Technology and Management for Economic Growth held at VIT Business School, Chennai

LEADERSHIP

Student Council Representative, School of Mechanical Engineering, VIT Chennai

Head of Technical fest, TechnoVIT 2019, VIT Chennai

Program Representative, School of Mechanical Engineering, VIT Chennai

Marketing Co-ordinator, Vibrance 2019, VIT Chennai

TECHNICAL SKILLS

Autodesk Inventor, AutoCAD, CoppeliaSim (VREP), MATLAB & Simulink, Fusion 360, DS Solidworks, Adobe Photoshop, MS Office, Adobe Premiere

LANGUAGES

English, German (A1 level), Hindi, Marathi, Marwari