

TALASU UMAKANTH

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Objective

I'm a Mechanical Engineering graduate with a solid technical background in core mechanical concepts, design methods, and manufacturing processes. I possess working knowledge of CAD software and I'm keen to apply my skills in a practical environment. I'm always looking to learn more and grow as an engineer while contributing to a forward-thinking team.

Education

B-Tech | Mechanical Engineering | Seshadri Rao Gudlavalleru Eng College | (2022-2025) | CGPA- 9.07

Diploma | Mechanical Engineering | M.B.T.S. GOVT.POLYTECHNIC | (2019-2022) | 87.32%

Matriculation | Mother English Medium School | 2019 | GPA- 9.7

Skills

Technical: Good working knowledge of Creo | familiar with SolidWorks, AutoCAD, and ANSYS | Basic knowledge of Python | Good knowledge of MS Office Suite

Soft: Active Listener | Strong Team Player | Effective Time Management | Attention to Detail | Positive Attitude

Internships

Junior Design Engineer Intern | People Tech Technology Pvt Ltd | [feb,2025] – [present]

- Assisted in designing components and assemblies using Creo, gaining hands-on experience in CAD modeling and drafting.
- Collaborated with senior engineers to review designs and ensure manufacturability.
- Focused on creating detailed design drawings and CAD models for various projects.
- Continuously developing skills in Creo and CAD drafting techniques through practical applications.

Mechanical Trainee Intern | Sri Lakshmi Ganapathi Cotton Traders, Dec 2021 – Mar 2022

- Observed how machinery works and how quality checks are done.
- Learned about industrial processes by watching and discussing with the team

Academic Projects

Design and Implementation of an Arduino-Based Railway Track Crack Detection and Notification Robot (final year project)

- Developed a robotic prototype to detect cracks on railway tracks using IR sensors.
- Integrated Arduino Uno with GPS and GSM modules to transmit real-time alerts with location data.
- Worked in a team of four to improve railway safety by detecting cracks early.

Multilayer Farming Project (community service project)

- Studied how multilayer farming can grow more crops in less space.
- Compared results with regular farming and reported findings.

Certifications & Achievements

Certifications: NPTEL – Introduction to Industry 4.0 and Industrial Internet of Things (2023), SkillDzire – Electric Vehicle (Apr 2025), Introduction to Aerospace Structures and Materials (AEASM1x, Edx) (Jun 2024), Advanced PLC Automation Training – Industrial Program, NSS certificate(college)

Achievements: Merit Scholarship – Awarded by North South Foundation (NSF) for academic excellence, 2nd Prize – Sudoku Competition – Mechanical Association Event, Participation – Engine Assembly & Group Quiz competitions, active volunteer in NSS activities in college, 1st prize in chess competition in school.