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PRAJWAL ESVI

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Andhra Pradesh, India

Mechanical Engineering Student
Product Design | Automation | CAD Modelling

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[Prajwal.github.io](https://prajwal.github.io)

SUMMARY

Aspiring Mechanical Engineer skilled in CAD modelling, mechanism design, and automation. Seeking an internship to apply practical engineering skills in real-world product development and smart machine projects.

TECHNICAL SKILLS

- CAD & CAE Tools: Fusion 360, AutoCAD, UG NX, HyperMesh (Basics), 3D Printing
- Programming: C, Python, Java
- Engineering Skills: Mechanism Design, Slot Systems, Motion Assemblies
- Software: MS Word, PowerPoint

ENGINEERING SKILLS

- Mechanism Design
- Motion-based Assemblies
- Product Design Documentation
- Material & Manufacturing Basics

CERTIFICATIONS

- Java Programming
- Coordinated college club activities
- Advanced Ethical Hacking

LANGUAGES

- English (Professional Proficiency)
- Telugu (Native)
- Hindi (Conversational)
- Kannada (Basic)

STRENGTHS

- Strong understanding of practical mechanisms
- Creative approach to low-cost engineering solutions
- Good teamwork & communication
- Adaptable, quick learner, and self-motivated
- Leadership experience as Class Representative

PERSONAL SKILLS

- Sketching & Painting
- Video Editing
- Photography
- Short Film Making

MAJOR PROJECT

Automated Curry Maker Machine – Lead Designer

- Designed a complete smart cooking automation system in Fusion 360
- Created slotted lid system, rotating spoon mechanism, and timing-based ingredient release
- Designed a low-cost, modular structure with vibration-damping
- Redesigned water wheel with flat-conical geometry for smooth flow

OTHER PROJECTS

Short Film – Greenery Plantation Theme

Directed and produced a message-driven short film based on social awareness.

Low-Cost Painting Robot (Concept)

Exploring linkage mechanisms and Python control for low-budget artistic automation.

EDUCATION

B.Tech – Mechanical Engineering

JNTUA College of Engineering (2023–2027)

Intermediate (MPC)

S.K. Govt. Jr College, Uravakonda | CGPA: 7.2 (2020–2022)

10th Class

A.P. Model School, Vidapankal | GPA: 9.8 (2019–2020)

WORKSHOPS

- Ornithopter Hands-on Workshop
- Advanced Ethical Hacking Workshop

SOCIAL ACTIVITIES

- Participated in CRPF Plantation Drive – 10,000+ plants
- Served as Class Representative for two semesters