

RATAN B

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B.E. Mechanical And Automation Engineering

PROFESSIONAL SUMMARY & OBJECTIVE

Mechanical & Automation Engineering student with a strong interest in intelligent systems, industrial automation, and heavy-scale manufacturing. Passionate about integrating hardware, software, and networking to develop practical solutions for modern industries. Certified in CCNA with hands-on experience in system integration concepts. Currently exploring applications of AI assistants, automation tools, and smart manufacturing technologies within Industry 4.0 & 5.0 environments. Focused on continuous learning, innovation, and building technology that improves industrial efficiency and operational performance, alongside a strong interest in track-focused performance vehicles and motorsports.

COLLEGE DETAILS

Sri Venkateswara College of Engineering
B.E. Mechanical And Automation Engineering
Overall GPA: 5.72

SEMESTER DETAILS

Semester	GPA
Semester 1	5.4
Semester 2	5.7

CERTIFICATIONS

Cisco Certified Network Associate (CCNA)
Certified with hands-on experience in system integration concepts.

TECHNICAL SKILLS

Programming:
Python, C

Networking & Cloud:
IP Subnetting, Network Configuration

Simulation:
AutoCAD

Languages:
Tamil (Native/Bilingual), English
(Moderate), Hindi

NOTABLE PROJECTS

Torque sentinel (Ongoing);

An automated AI system designed to monitor, detect, and prevent unpredictable production downtime. Developed to enhance efficiency within heavy-scale manufacturing and production lines.

God's Eye (Personal Project) (Ongoing):

A dedicated conceptual framework exploring the technical architecture of AI development engines and intelligent monitoring systems for optimized operational oversight.

INTERESTS & EXTRACURRICULARS

• Automotive Engineering:

Deeply focused on the mechanics, design, And performance tuning of track-focused vehicles and motorsports.

Photography:

Interested in Minimalistic, street and travel Photography.