BANTUPALLI PAVITHRA

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PROFILE SUMMURY:

Mechanical Engineering graduate passionate about transitioning into the IT field. Skilled in Java, Python, HTML, CSS, and SQL, with hands-on experience in software development. Strong analytical and problem-solving abilities, quick to learn new technologies, and adaptable to team environments. Eager to grow as a full-stack developer in a dynamic company.

EDUCATION:

- **RISE Engineering college,Ongole**   **2021 - 2025**
- B.Tech(Mechanical Engineering)   **CGPA:7.3/10**

PROJECT:

MODELING AND STATIC STRUCTURAL ANALYSIS OF FUSELAGE WITH LATTICE STRUCTURE BY USING ALUMINIUM ALLOYS

- Designed and modeled an aircraft fuselage structure integrated with a **lattice framework** to optimize **strength-to-weight ratio**.
- Performed **static structural analysis** to evaluate stress distribution and deformation under applied loads.
- Utilized **Aluminium 7075-T6 and 2024** alloys for material selection based on **aerospace-grade mechanical properties** and **fatigue resistance**.

TECHNICAL SKILLS:

- Programming Languages: Python , Java
- Technical Skills: Proficient in AutoCAD(2D) and CATIA V5R20
- Front-End Technologies: HTML
- Frameworks:
- Database:
- Developer Tools: VS Code, GitHub

SOFT SKILLS:

- Quick Learner
- Problem-solving
- Decision-Making
- Communication

CERTIFICATIONS:

- ELECTRIC VEHICLE - SKILLDZIRE
- PYTHON PROGRAMMING – THE WEBSITE MAKERS

INTERNSHIPS:

- Electric Vehicle (MECH), Skill Dzire   28MAY to JUNE2024
- Office Management & Professional Skills   DEC2024 to APRIL2025