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## Professional Summary:

Experienced CAE Analyst with 5+ years of expertise in seating systems development, seat kinematics, and full vehicle integration. Adept at simulation and analysis, currently supporting BMW with virtual validation projects focused on occupant safety and performance optimization across ICE, hybrid, and electric platforms.

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## Skills:

### Preprocessing & Modeling:

- ANSA, Hypermesh

### Solvers & Post-processing:

- LS-DYNA, PAMCRASH, NASTRAN, OPTISTRUCT, ANIMATOR, MetaPost

### Scripting & Automation:

- Python

### Languages:

- Telugu, English, German
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## Professional Experience:

### **Satven – Senior CAE Analyst**

*March 2023 to Present*

- Lead crash and safety simulations focused on seating system integrity and occupant protection, adhering to with NCAP, ECE and FMVSS regulatory standards on both ICE and Electric/Hybrid vehicle programs.
- Worked on occupant-safety and structural-integrity simulations complying with FMVSS 301/208/225, ECE R14/R17/R21, and Euro NCAP protocols.
- Simulate occupant responses using 5th, 50th, 95th percentile, THOR (adult), Q3, and Q6 (child) dummy models to evaluate injury metrics and optimize restraint systems.

### **Capgemini — Analyst**

*January 2022 – March 2023*

- Developed seating models for crash simulations and integrated them into vehicle-level models.
- Coordinated with design teams to meet global compliance standards.
- Validated seating components for crashworthiness.

### **Cyient Limited — Associate**

*February 2021 – January 2022*

- Ensured simulation readiness using Hypermesh.
- Maintained OEM standards for modeling and integration.

### **E-Mug Technologies — Internship Trainee**

*December 2019 – August 2020*

- Modeled trims and structural parts for crash and durability analysis.
- Performed meshing and preprocessing for full vehicle simulations.

**DesignTech Systems — Internship Trainee**

*July 2019 – November 2019*

- Gained foundational experience with ANSA and Hypermesh.
  - Supported team in automotive component modelling.
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**Education****Bachelor of Technology – Mechanical Engineering**

QIS College Of Engineering And Technology, Prakasam.

Graduated April 2019

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**Achievements:**

- Received “Pat on the Back” award for successful integration of seating systems, showcasing excellence in cross-functional collaboration and technical implementation.
- Honored with “Pat on the Back” recognition for outstanding simulation and analysis contributions to seating systems for BMW and Rolls-Royce(RR) customers.