



Akshay Ghugarkar

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SUMMARY

Innovative engineer with expertise in automotive design, product engineering, and manufacturing. Proficient in 3D modeling with SolidWorks, UGNX, and AutoCAD. Demonstrates strong problem-solving and analytical skills, with a proven track record in designing, prototyping, and optimizing components to boost efficiency. Eager to leverage skills in dynamic, challenging roles while embracing new learning opportunities.

EXPERIENCE

Design Engineer | Burke E Porter INDIA

April 2024 - Present, Pune office. Company Headquartered in USA

- Designed & prototyped components for machines (e.g., ADAS ACC Gantry, Centering Machines) using SolidWorks, optimizing designs to reduce production time & material costs.
- Created and simulated 3D models, prepared 2D manufacturing drawings for production.
- Assisted in manufacturing machine parts, sourced vendors for competitive quotations, and supervised assembly to ensure design specifications according to requirements.
- Modified existing projects by doing appropriate design calculation for ergonomic improvements and integrated new technologies.
- Developed documentation including Bill of Materials to industry standards.

Development Graduate Engineer Trainee | Magna-SKHS System India Pvt. Ltd.

June 2023 - March 2024, Chakan, Pune

- Contributed to the development and manufacturing of vehicle seats at Magna-SKH ensuring development & production aligned with design specifications.

Intern | Maharashtra State Road Transport Corporation(MSRTC)

May 2019 - June 2019, Ahmednagar

PROJECTS

Design & development of ACC Gantry ADAS Machine | BEP INDIA

April 2024 - July 2024

- Independently 3D modeled all components of the ACC Gantry ADAS Machine, a system for testing vehicles with ADAS technology. Conducted simulations to validate functionality, ensuring optimal performance in testing scenarios. Managed project timelines and upheld high-quality standards throughout design and development phases. Additionally, modified parts, calculated changes, and designed components as needed.

Design of Centering Machines | BEP INDIA

April 2024 - July 2024

- Independently 3D modeled centering machines essential for aligning vehicles in front of ADAS systems, ensuring accurate readings and precise testing capabilities. Leveraged previous design data to optimize functionality and reliability, facilitating seamless integration with ADAS technology for enhanced operational efficiency.

Design & development of Battery cooling using self rewetting fluids | Government College of Engineering and Research Avasari Pune

June 2022 - May 2023

Design and Development of Hybrid Electric Bycycle | Government polytechnic Avasari, Pune

May 2020 - May 2020

EDUCATION

Bachelor of Engineering in Automobile Engineering | SPPU, Government College of Engineering and Research Avasari, Pune

8.95 CGPA, Pune, 2023

Diploma in Automobile Engineering | Government polytechnic Avasari, Pune

92.43%, Pune, 2020

CERTIFICATIONS

Solidworks | Internshala

SKILLS

Solidworks, AutoCAD, UGNX, MS Office. Good Verbal and Written communication, Fast Learner, Proficient English