

ANGHA DEO

CONTACT



8087958249



angha.deo1@gmail.com



Plot No 90, Shreekrishan Nagar, Chh. Sambhajinagar, Maharashtra, India. 431005

EDUCATION

Bachelor of Mechanical Engineering

Government College of Engineering Aurangabad

2016 - 2020
CGPA: 7.3

INTERNSHIPS

Atlas Copco Global Engineering Centre, Pune

Intern

June 2019

- **Project:** TRAX - A problem-solving tool for service engineers.
- **Innovation:** Incorporated augmented reality to train and solve onsite problems, enhancing user experience and efficiency.

Greaves Cotton, Aurangabad

Industrial Trainee

June 2018

- **Operations Study:** Immersed in shop floor operations, collaborating closely with various departments.
- **Efficiency Improvement:** Analyzed plant processes and implemented measures to enhance overall efficiency.

SKILLS

- Virtual Design and Construction (VDC)
- Product Design and Management
- Project Coordination
- Market Analysis
- Building Information Modeling (BIM)
- Standardization and Compliance
- **Languages:** English, Hindi, Marathi, Tamil, French (A1)
- **Software:** CREO, Solidworks, CATIA, Revit, AutoCAD, Dynamo, Ansys 18.2, MATLAB, Unity XR, Python, Photoshop

WORK EXPERIENCE

Product Engineer

Modulus Housing, Chennai

April 2023 - Present

- **Product Innovation:** Spearheaded the design and implementation of cutting-edge products for glamping pods and resorts.
- **Sustainability Leadership:** Achieved a 3.4% reduction in energy consumption by incorporating biomimicry and passive systems.
- **Project Management:** Managed design modifications and project oversight for a 20-bed prefab hospital, ensuring seamless execution.
- **Cost Optimization:** Streamlined project processes, resulting in an 8.2% reduction in on-site expenses.

Design Engineer

Modulus Housing, Chennai

May 2022 - April 2023

- **Market Analysis:** Analyzed competitive landscape and consumer behaviour trends, synthesizing findings into actionable strategies; developed a comprehensive report that informed executive decision-making, resulting in a targeted marketing approach for three key demographics.
- **Product Development:** Coordinated Building Information Modeling (BIM) and spearheaded new product development initiatives.
- **Virtual Design Expertise:** Utilized advanced virtual design techniques to create luxurious and innovative products.

Design Engineer

Atlas Copco Global Engineering Centre, Pune

Nov 2020 - April 2022

- **Quality Management:** Ensured rigorous product quality assurance for 9 global companies, meeting international standards.
- **Standardization and Compliance:** Standardized engineering drawings and ensure adherence to regulatory compliance.
- **Product Evaluation:** Evaluated products and recommended the integration of various standards to enhance performance and compliance.

PROJECTS

MR GECA

June 2019 - Jan 2020

- **Innovative Robotics:** Developed a helper robot with pneumatic actuators and Bluetooth communication.
- **Design Features:** Engineered an omnidirectional triangular chassis with precision CAD modelling and integrated PMDC motors; achieved a 30% increase in manoeuvrability during testing, enhancing overall performance for robotic applications.
- **End-to-End Development:** Oversaw the entire design of the chassis, from initial line diagrams to the final working prototype.

ROBOCON 2019

Aug 2018 - June 2019

- **Autonomous Robotics:** Built an autonomous quadruped robot featuring PMDC motors and LIDAR sensors.
- **Mechanical Design:** Designed a worm and worm wheel drive for the hip joint and a lead screw drive for the knee joint.
- **Navigation Capability:** Enabled the robot to navigate complex terrains, including taking turns and climbing stairs.