

SAMIULLAH MOHAMMED

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OBJECTIVE

An exciting opportunity that will utilize my Graduate Education, Research, Teaching, Internship and Industrial Experience

SKILLS & EXPERTISE

Product Development Process

Tolerance Stack-up Analysis

CAD Data Management

MS Office

Typing Speed: 40 WPM
Communication & Collaboration
GD & T
Medical Devices

2D & 3D CAD Modeling: AutoCAD, PTC Creo, Catia, Solid Works, Ansys.

EDUCATION

The University of Utah
M.S, Mechanical Engineering
Specialization: Rapid Prototyping, Additive Manufacturing

Salt Lake City, USA
May 2010

Osmania University
Muffakham Jah College of Engineering & Technology
B.E, Mechanical Engineering

Hyderabad, INDIA

Freelance Mechanical Design Engineer Consultant Hyderabad, May 2018- March 2024

- Designed and developed 2D drawings & 3D models and technical drawings using CAD software, ensuring precision and adherence to industry standards.
- Managed end-to-end project lifecycle, from initial concept to prototyping and testing, delivering solutions within budget and on schedule.
- Collaborated with clients to define project requirements and provided ongoing support, including documentation and training.
- Optimized designs for manufacturability, assembly, and cost efficiency (DFM/DFA).
- Supported prototyping, testing, and vendor collaboration to ensure quality and timely delivery.
- Managed client communication, project proposals, and deliverables while ensuring compliance with industry standards.

TEACHING EXPERIENCE:

- 1) Sreenidhi Institute of Science and Technology: Worked as Assistant Professor in the Department of Mechanical Engineering at **SNIST** from Dec 2016 to Nov 2017. During this course I have taught Elements of Mechanical Engineering, Engineering Drawing and conducted Workshop Practice Lab and FMHM Lab sessions for students.
- 2) Chaitanya Bharathi Institute of Technology: Worked as Assistant Professor in the Department of Mechanical Engineering at **CBIT** from Dec 2012 to Nov 2013. During this course I have taught Mechanical Technology, Elements of Mechanical Engineering, Engineering Drawing, and conducted Workshop Practice Lab sessions for students.
- 3) Bharat Institute of Engineering & Technology: Worked as Assistant Professor in the Department of Mechanical Engineering at **BIET** from July 2011 to June 2012. During this course I have taught Metallurgy & Material Science, Thermodynamics, Production Technology, Automobile Engineering & conducted CAD/CAM Lab sessions for students.

INDUSTRIAL EXPERIENCE:

- 1) ECIL-RAPISCAN LTD:

Worked as Hardware Consultant at ECIL-RAPISCAN LTD, Hyderabad, INDIA from **May 2009 to May 2010**. Made part drawings (sheet metal) and assembly drawings of standard electronic cabinets in Pro-Engineer and assisted senior engineering personals in their work. Responsible for creating drawings that lead meet project milestones. Supported staff in meeting their goals.

- 2) OPTEMA DEVELOPMENT CORPORATION:

Worked as Rapid Prototype Engineer at Optema Development Corporation, Fairfield, California, USA from **July 2005 to July 2006**. I was Involved in developing a large-scale rapid prototyping system capable of taking any CAD file and producing objects the size of a house. Did all the CAD design work for a 1/12 scale model of a house and full-scale curved staircase prototype and also set up the STL files for processing by the Shape Maker Software which controlled the proprietary 4-axis water jet cutting machine and then fabricated and assembled the prototype for the grant project.

- 3) ECIL:

Worked as Graduate Engineer Apprentice at ECIL, Hyderabad, INDIA from **October 2003 to October 2004**. At **Design Centre** of Antenna Products Division (**APD**), I Prepared detailed 2D drawings in AutoCAD for manufacturing of 11-meter (full motion), 7.2-meter (limited motion) Antenna, was exposed to Nastran software and assisted senior engineering personals in their work.