Adith Philip Mathew

Roll No.: 234209001
M.des - Electronic Product Design
Indian Institute Of Technology, Guwahati

+91-8197710324
philiadith70@gmail
m.adith@iitg.ac.in
linkedin.com/in/Adith Philip Mathew

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Des	Indian Institute of Technology, Guwahati	NA	2023-Present
B.Tech	PES University	7.12	2015-2019
Senior Secondary	Pre-University Board	83.0%	2015
Secondary	ICSE Board	71.3%	2013

Experience

- **Foley Designs** *August 2021 - July 2023*
  Product Design & Engineering Bangalore
  – Tackling multidisciplinary projects such as a Waste Management Vehicle, Kinetic Candle Stand, Dosa Spreader, Terrarium Design for gifting on completion of Terminal 2 in KIA and many more have taught me valuable skills like design aesthetics, coding on Arduino, project management, vendor sourcing and management, as well as softer skills like design presentation and design delivery to clients.
- **Pupilmesh Pvt. Ltd.** *October 2020 - April 2021*
  Product Design Engineer Bangalore
  – Ideating, prototyping and creating designs for manufacture. This role allowed me to work closely with Pupilmesh Pvt. Ltd. In designing, testing and finally manufacturing a navigational unit for motorbike riders. I handled the mechanical design aspects, worked around design challenges such as placement and positioning on the helmet as well as creating a universal mounting system for the product.

Projects

- **Team Haya Racing** *May 2016 - January 2019*
  Formula Bharath
  – PES Universities official Formula Student Racing club. 3 years working with Solidworks gave me a firm grasp of the design software designing components like the chassis, bodywork and the aerodynamic package. Ansys simulations were also conducted for validation of these designs. I earned the position of Head of Composites and Aerodynamics and lead a team of 3 junior engineers towards the goal of a lighter, stiffer chassis and aerodynamics package, resulting in an overall weight savings of 50% from the previous year.
- **Design and manufacture of a compact FDM printer** *April 2017 - September 2017*
  Self
  – A 3D printer with a build volume of 180x200x200mm and overall footprint of 300x320x320mm was designed from scratch and manufactured from 3D printed components which were optimized for weight saving and durability with the help of Solidworks

Technical Skills

- **Design and Rendering**: Fusion 360, Solidworks, Rhino, Keyshot, Adobe Illustrator
- **Prototyping**: Cura, Manufacturing Of Metal and Composite Parts
- **Programming**: Python, R
- **Hand Skills**: Woodworking, Bonsai Making, Terrariums

Key courses taken

- **Materials and Manufacturing**: Composite Materials, Smart Materials, Computational Material Science, Surface Engineering, Metal Cutting and Machining Processes
- **Industrial Automation**: Hydraulic and Pneumatic PLC & SCADA Automation

Achievements

- **Best Intern**, CADI Automotive internship, Ezenith Pvt. Ltd, Bangalore *2017*
- **1st in Bangalore**, 8th Grade Piano, Trinity College London *2015*