

AMARNATH S

Product Designer & XR Developer



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Github: <https://github.com/AmaroooOo/AmaroooOo>

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Education

MASTER Certification in AR/VR

MONOLITH Research and Training Labs
01/2024 – 01/2025 | Chennai

B.Voc in Product Designing

RAMAIAH UNIVERSITY OF APPLIED SCIENCE
07/2021 – 12/2023 | Bengaluru

Bachelor of Engineering

STEINBIES UNIVERSITY
01/2016 – 01/2019

Diploma in Tool and Die making,

06/2016 – 06/2019

Skills

- BLENDER
- FUSION 360
- UNREAL ENGINE
- Substance Painter
- 3D Printing
- AutoCAD

Languages

Tamil



English



Malayalam



Professional Experience

Wizklub Learning PVT LTD

Product Designer

09/2019 – 01/2024 | BANGALORE

Project Engineer → Senior Project Engineer → Product Designer

- End-to-end product design and engineering execution for educational hardware products.
- Mechanical R&D, CAD modelling, drafting, and 3D visualisation from concept to production.
- Creating manufacturing and assembly SOPs for reliable and scalable workflows.
- Coordinating with vendors, managing BOMs, outsourcing strategies, and QC checks.
- 3D printing and prototyping of product components for design validation and rapid iteration.

SKILLS

- **3D Modelling & Simulation**
- **Product Design & Engineering**
- **Manufacturing & Prototyping Processes**
- **Vendor & Production Management**
- **Real-Time 3D Development (Web3D)**
- **Immersive Experience Design (AR/VR)**

Projects

THREE.js CLOCK

05/2025

Real-time digital clock animation synced with world time API

Mars Rover – VR Simulation

Present

Cleaned and retopologized a NASA Mars Rover model, built a functional rig, and integrated Blueprint systems for rover movement, camera feeds, and terrain interaction in a simulated Martian environment.

SURULI - THREE.js

interactive dog in the web

Present

Rigged and animated a dog for an interactive web experience

Rectangular Deep Drawing Tool

04/2019

Engineered and manufactured aluminium deep drawing tooling

IoT Robot Development

2019

Designed and prototyped IoT-enabled robotic systems for interactive automation and real-time data control.

Plastic Case for IoT Devices

12/2021

Designed protective, injection-moldable plastic enclosures for IoT electronics with functional mounting, improving device durability and usability.