

ESHWAR PINGILI

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EDUCATION

- Indian Institute of Information Technology, Hyderabad** — *M.Tech, Product Design & Management* 2025 – 2027
Relevant Coursework: Product Management 101, Entrepreneurship, Data Science, Computer Science
- Indian Institute of Technology Bombay** — *Bachelor of Design, IDC School of Design* 2019 – 2023

PROFESSIONAL EXPERIENCE

- Physitech Electronics — Industrial Design Consultant** Sep 2024 – Feb 2025
Sole designer in the R&D team building a wearable health device for people with sedentary lifestyles.
- Cut hard-material cost by about Rs. 120 per unit by reworking parts for design for manufacture during testing.
 - Improved the existing prototype over two iterations by consulting three doctors and validating with government institutions.
- nSure Healthy Spine Pvt Ltd — Product Design Engineer** Jun 2023 – Jul 2024
Directed the design team across three spine-health products, from concept to tested prototypes.
- Delivered six prototype iterations on schedule, two per product, by running five Jira sprint cycles from research to fabrication.
 - Prioritized requirements using insights on user behavior from over 20 patients and three doctors, gathered in usability tests.
 - Generated pre-launch interest in target segments such as corporates by developing the brand strategy, marketing and go-to-market plan.
- Industrial Design Centre, IIT Bombay — Sound Design Intern** Mar 2021 – May 2021
- Produced a four-minute animatic, graded by the supervising professor, by storyboarding the script and composing its sound design.
- Reap Benefit — Design and Innovation Fellow** Aug 2018 – Dec 2018
- Sped up waste-to-manure conversion to one week by designing a plug-and-play composter for rural homes in Madhya Pradesh.

KEY PROJECTS

- BikeNav, Connected Bike Navigation Display** Sep 2026
Independent
- Built an iPhone-linked navigation display for Rs. 980 in under a week, pairing RISC-V hardware with mobile software over BLE.
 - Fixed the root cause of wrong and skipped turns, a 55 m GPS error that jumped the rider 652 m, via corridor-based map matching.
- Makezy, Meeting Action-Item Extraction** Jan – May 2026
Coursework, IIIT Hyderabad
- Extracted 82% of action items (73 of 89) from six meetings with no wrong items by writing the PRD and React front end.
 - Found feature gaps in Otter.ai and Fireflies.ai, and edge cases like tasks without a time of day, by testing with college students.
- Superhero Helmet, Assistive Sensory Wearable** Jan – May 2026
Coursework, IIIT Hyderabad
- Lowered sustained-load temperature by 16°C, from 70°C, by redesigning the ventilation and adding heat sinks.
 - Reached a stable 10 fps HUD and about 50 ms audio latency on a Raspberry Pi 4B by defining requirements and running tests.

POSITIONS OF RESPONSIBILITY

- **Design Lead, Student Alumni Relations Cell, IIT Bombay** — headed the design portfolio and its coordinators, growing volunteers and initiatives 50% year over year, 2021–22
- **Design Coordinator, Techfest and Student Alumni Relations Cell, IIT Bombay**, 2020–21

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- **Hindustan Unilever, 2023** — designed packaging, as a freelance consultant, for a mass-market skincare product now on store shelves.
- **Low-Key, Mar 2025** — co-founded a 3D-printed keychain venture that returned 4X its investment in one day of sales to customers.
- All India Rank 288 (96th percentile) in CEED 2024, the national entrance exam for postgraduate design.

SKILLS

Product: Product Strategy, Product Roadmapping, PRDs, Market Research, Competitive Analysis, Go-to-Market Strategy, Pricing Strategy, Unit Economics, Agile (Scrum), Stakeholder Management, Cross-functional Collaboration

Research and Design: User Research, Usability Testing, UX Design, Human Factors, Design for Manufacturing (DFM)

Technical: Python, React, MongoDB, Raspberry Pi, ESP32

Tools: Figma, Jira, Fusion 360, Rhino 3D, ROS 2, Rapid Prototyping (3D Printing)