

# YUVARAJ GAJALAJAMGAM

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## SUMMARY

Diligent master's student specializing in Product Design Management, an Artificial Intelligence and Machine Learning Graduate. Skilled in product development, prototyping and user-centered design. Passionate about integrating technology into product strategies. Effective communicator and collaborative team player dedicated to creating impactful solutions that bridge technology and design.

## WORK EXPERIENCE

### KEPHI INNOVATIONS PVT. LTD.

Co-Founder and CTO

Hyderabad, IN

Feb 2022 – Apr 2024

Product Development and Innovation

- Aqua Reformer: A water bot for aquafarmers that connects a Photo Bioreactor and fishpond in a closed loop promoting environmental sustainability in aquaculture.
- SpiCEN: A technology using a Spiral Photo Bioreactor to sequester carbon emissions using the Peltier Effect while treating wastewater with nutrients for spirulina.
- SpiSTEP: An eco-friendly sewage treatment plant designed for efficient water treatment and toxic substance removal.

### INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

Hyderabad, IN

Research Intern

Jul 2023 – Nov 2023

- Performed NLP-based Speech Processing Research at Language Technologies Research Centre on the Analysis of emphasis words in spoken summarization and keyword extraction.
- Developed a dataset of spoken data from TEDx talks, identified the emphasized words, obtained summarized text, built the text and spoken language-based summary models and analyzed the performance.

## EDUCATION

### INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

Master of Technology

Hyderabad, IN

Expected Apr 2026

Major in Product Design Management

### HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Bachelor of Technology

Hyderabad, IN

Nov 2020 - Jun 2024

Major in Artificial Intelligence and Machine Learning

6.8/10 CGPA

Coursework: DSA, SE, NLP, AI, DL, DevOps, OS, Compilers, DBMS, Computer Architecture.

## PROJECTS

### KRA, AER AND LRM WEBAPP

<https://kraautomation.hitam.org/>

- Developed and maintained a web-based system to automate and streamline the generation of KRAs and the presentation of AER/LRM.
- The system was designed to centralize data management, improve visibility and collaboration, enhance planning and reporting capabilities, and eliminate errors, delays, and inconsistencies.

### IoT-ENABLED MONITORING SYSTEM

<https://github.com/yuvi-kephi/IOT-SOFTWARE>

- Integrated IoT technology to remotely control and monitor SpiCEN and other products, enhancing their efficiency and manageability.

## ACHIEVEMENTS

- Minor Graduate, Grand Challenges Scholars Program, US National Academy of Engineering
- BIRAC, E-YUVA, Atmiya University
- First Place, GSEA, EO - Hyderabad Chapter
- 1 of 76 startups, AMRUT 2.0, MoHUA
- Top 50, Solve for Tomorrow, Samsung INDIA
- Qualified Competitor, Carbon Removal, XPRIZE
- Semi-finalists, Global Problem Solver Challenge, CISCO
- Best Expo Project, Robothon Contest, MCEME

## SKILLS

- |          |             |                       |                     |           |              |           |
|----------|-------------|-----------------------|---------------------|-----------|--------------|-----------|
| ● JIRA   | ● Trello    | ● Agile methodologies | ● Figma             | ● Jenkins | ● Docker     | ● Asana   |
| ● Python | ● AWS       | ● Team Management     | ● MySQL             | ● NLTK    | ● TensorFlow | ● Keras   |
| ● Django | ● ReactJS   | ● Product Development | ● Nodejs            | ● SDLC    | ● GitHub     | ● FastAPI |
| ● Matlab | ● MS Office | ● Risk Management     | ● Quality Assurance |           |              |           |