

# AAFNA T R

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## EDUCATION

**St. Joseph's College of Engineering and Technology, Palai**

Kerala, India

*Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence), CGPA: 8.82/10*

2024 – 2028

## EXPERIENCE

**Cloud Computing Intern**

June 2026 – Present

*Gyaan Innovation Lab, IIIT Kottayam (IEEE SPS Kerala Chapter)*

*Hybrid*

- Working with AWS (EC2, ECS, ECR, IAM, RDS, S3), Docker, and networking through hands-on labs.
- Developing a cloud-based capstone project involving cloud infrastructure and deployment.
- Applying Docker, IAM, VPC, and deployment workflows in AWS environments.

## PROJECTS

**Assistive Writing Device for Reduced-Grip Users**

2026

- Designed and prototyped an assistive writing device using a ball-bearing support mechanism to improve writing stability for users with reduced grip strength.
- Patent application published in the Indian Patent Office Journal.
- Awarded First Prize (Rs.2,00,000 Team Award) at BUILDATHON 2026 National Innovation Challenge.

## ACHIEVEMENTS

**First Prize** – BUILDATHON 2026 National Innovation Challenge (2,00,000 Team Award)

**Third Prize** – SAEINDIA Southern Section Student Convention Business Plan Competition

**First Place** – College-level SAEINDIA Business Plan Competition

Patent application published in the Indian Patent Office Journal

## LEADERSHIP EXPERIENCE

**Chairperson** — IEEE Robotics & Automation Society SBC, SJ CET

2026–Present

Led chapter operations, technical events, workshops, and volunteer teams.

**Vice Chairperson** — IEEE Women in Engineering SBAG, SJ CET

2025–2026

Supported planning and execution of technical and professional development initiatives.

**Co-Lead, Media Team** — ASME SJ CET

2026–Present

Led branding, promotional campaigns, and digital outreach.

**Media Team Member** — ASME SJ CET

2025–2026

**Event Lead** — ASTHRA 10.0 Technical Fest

2026

**Department Lead** — ASTHRA 9.0 Technical Fest

2025

**Design Team Volunteer** — ASME E-Fest Kerala

2025

**Volunteer** — IEEE TESSERACT 9.0

2025

## TECHNICAL SKILLS

**Languages:** C, HTML, CSS, JavaScript (Basic)

**Cloud Technologies:** AWS (EC2, ECS, ECR, IAM, RDS, S3), Docker

**Tools:** Git, GitHub

**Core CS:** Database Management Systems, Operating Systems, Computer Organization & Architecture