

# ADYA ARCHITA PATTNAIK

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## EDUCATION

### Odisha University of Technology and Research (Formerly CET Bhubaneswar)

B.Tech in Computer Science and Engineering | 2024 - 2028 | CGPA: 8.9

## EXPERIENCE

### Co-Coordinator@Zairza Technical Club

Full-Stack Developer

Nov 2024 - Present (Promoted Sep 2025)

ReactJS, NodeJS, ExpressJS, MongoDB

- Spearheaded full-stack development across multiple MERN stack projects, optimizing code maintainability, scalability, and user experience for 200+ users.
- Successfully contributed to the HackWithZairza open-source repository, mastering collaborative Git workflows and contributing to the global developer community hosted by GitHub and DigitalOcean.

### Designer

Sep 2025 - Present (Promoted Sep 2025)

UI/UX, Graphic Design

- Architected high-fidelity wireframes and interactive prototypes for web applications using Figma, ensuring a user-centric design approach before technical implementation.
- Bridged the gap between design and development by translating Figma mockups into responsive ReactJS/Tailwind CSS components, reducing frontend development time by 30%.

## PROJECTS

### Zairzest 4.0 (Re-engineered)

May 2025 - June 2025

### Annual Club Flagship Event (OUTR)

ReactJS, Tailwind CSS, NodeJS, MongoDB

- Developed a full-stack replica of the Zairzest 4.0 platform to master high-traffic handling and complex user flows.
- Built a robust system featuring unique ZenID generation for participant tracking and a fully responsive UI/UX designed in Figma.

### NagarSaarthi

Aug 2025-Sep 2025

### Smart India Hackathon (Internal Selection)

ReactJS, Tailwind CSS, Python, MongoDB

- Developed a multi-user platform with Role-Based Access Control (RBAC) for Citizens, Municipalities, and Admins using JWT for secure authentication.
- Engineered a predictive engine using LLM to forecast air quality trends and auto-generate localized health alerts.
- Integrated Chart.js to render 2D/3D pollution plots and automated PDF/CSV report generation.
- Optimized a MongoDB backend to synchronize and process real-time data streams from 50+ localized monitoring stations.

## SKILLS

- Languages:** C, C++, Python, Java, Javascript

- Technologies and Tools:** HTML5, Tailwind CSS, ReactJS, Figma, NodeJS, MongoDB