

AYUSH BARDHAN TRIPATHY

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EDUCATION

Bachelor of Technology in Computer Science and Engineering

Veer Surendra Sai University of Technology, Odisha

CGPA: 9.21 (upto 5th Semester)

2023 – 2027

SKILLS SUMMARY

Languages: JavaScript, Node.js, C, C++, Python, HTML/CSS

Frameworks: React, Next.js, Tailwind, FastAPI, Express, React Redux

Developer Tools: Bash, Vim, Git, GitHub, Linux, VSCode, Figma, Lighthouse

Databases: MySQL, MongoDB, SQLite

Coursework: Data Structure and Algorithms, OOPS In C++, Database Engineering

EXPERIENCE

Intern at R&S Wing, PXE

June 2025 - July 2025

Defense Research & Development Organisation (DRDO)

Chandipur, Odisha

- Worked on development of surveillance system for selecting the most optimal target/threat.
- Used technologies like Python and Flask to operate the algorithm in backend and HTML, CSS and Chart.js for radar simulator frontend.
- Actively participated in research and study of surveillance system and radar systems.

Full Stack Web Development Intern

December 2024 - January 2025

FurSphere

Sambalpur, Odisha

- Developed web applications using Next.js, Tailwind CSS and MUI, reducing development turnaround by ~20%.
- Implemented 20+ React components, PWA features and Lighthouse-driven performance improvements, achieving 95+ scores in performance, accessibility and best practices.
- Contributed to codebase structure, reusable components, and documentation, laying the groundwork for future scalability

Junior Associate (Tech)

April 2024 - Present

Entrepreneurship Cell, VSSUT

Sambalpur, Odisha

- Actively volunteered and participated in the management and execution of events like E-Summit and Chai Pe Charcha Ep. 02, organized by the Entrepreneurship Cell.
- Developed and maintained frontend components using React, enhancing E-Cell's digital presence and increasing monthly site views by 35%.

PROJECTS

E-Summit Website

[Link](#)

- Designed and developed a complete website for E-Summit 2025, the flagship entrepreneurship event of E-Cell.
- Used Next.js and Tailwind with components to develop a complete website with animations, Server Side Routing (SSR), dynamic page generation and video content.
- Optimized responsiveness and SEO using Lighthouse audits, achieving 92 performance and accessibility scores.

Learniverse

[Link](#) [Source](#)

- Developed during Techtronix Hackathon, contributing to a collaborative team project.
- Built CRUD APIs with FastAPI (Python) and integrated an SQLite database for efficient data storage.
- Contributed to frontend UI in React.js by designing a user-friendly interface.

Iceage Static Site Generator

[NPM](#) [Source](#)

- Created a lightweight static site generator in Node.js, simplifying static website development.
- Integrated Liquid.js templating for flexible and reusable HTML layouts.
- Published as an open-source NPM package (50+ downloads), making it accessible to the wider developer community.

ACHIEVEMENTS

1. Awarded first position in Global Innovation Drive (GID) 5.0 at Bhubaneswar for startup idea pitching in group.
2. Participated in Code for Good 2025 Hackathon organized by JP Morgan Chase & Co at Mumbai.
3. Secured first position at Buildathon, organised by Silicon Institute of Technology (SIT), Bhubaneswar.

CERTIFICATIONS

1. Web Development Training from Internshala Trainings [Link](#) [NSDC Certificate](#)
2. Back End Development and APIs from freeCodeCamp. [Link](#)
3. JavaScript Algorithms and Data Structures from freeCodeCamp. [Link](#)