Aditya

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Education

Kalinga Institute of Industrial Technology **Sep. 2022 – May 2026**

B.Tech in Computer Science Engineering - CGPA Current - ***8.18*** *Bhubaneswar, Odisha*

Projects

Mock Orbit - Peer Interviewing App | *Next.js, Golang, AWS, GCP, WebSockets, Docker* **- Link January 2025**

- Deployed a **free,** peer-to-peer interviewing platform **democratizing mock interviews** and eliminating costly barriers.
- Integrated **real-time chat,** video calls, and whiteboard, supporting **50+ real users** and reducing setup time by 50%.
- Implemented **MongoDB for auth** & storage and **Jenkins** CI/CD pipelines to automate build, test, and deployment.
- Deployed the **backend on GCP** and the **frontend on AWS** using **Docker** containers for scalable, reliable deployment.

Phyto Sense - Plant Disease | *Next.js, Tailwind, FastAPI, Gemini API, Python, AI/ML* **- Link March 2025**

- Developed an ensemble DNN**(CNN+ResNet+VGG16)** achieving a test accuracy of **99.98%** & precision of **99.55%.**
- **Outperformed** multiple **State-of-the-Art** models including EfficientNet**(95.4%)** and GoogleNet**(96.8%).**
- Deployed with **Next.JS & FastAPI** offering farmers a solution that can potentially reduce crop losses by **20–25%.**

Talking Junction - Chat Application | *React, Tailwind, Node.js, Socket.io, MongoDB* **- Link November 2023**

- Developed a real-time chat application, supporting 100+ concurrent users with 99% uptime.
- Integrated **DiceBear API** to generate **500+ unique** avatars, with users customizing their profiles.
- Enabled chat rooms, active status, search functionality, and dark mode, that will lead to a **40%** increase in daily users.

Dine N Decode - Taste Trends & Tables | *Python, NumPy, Scikit-Learn, Seaborn* **- Link January 2024**

- Cleaned and preprocessed datasets, handling **10K+ entries,** improving model **accuracy by 25%.**
- Visualized restaurant **trends, ratings,** and **service types,** identifying key insights for **50000+ restaurants.**
- Deployed algorithms like **(Decision Tree & Random Forest)** to predict ratings and costs, achieving **90% accuracy.**

Achievements

Competitive Programming - Codeforces Link - Codechef Link - LeetCode Link **Spring 2025**

- **Codeforces:** Ranked **Expert** with **(max rating: 1847)** among 1.69M users; best rank **368 of 25K** participants.
- **Codechef:** Ranked **4-Star (max rating: 1829)** competing among an AVG of 34K contestants, **top 0.12%** globally.
- Solved **300+** problems on LeetCode, GeeksforGeeks, and InterviewBit, showcasing strong **problem-solving** skills.
- Ranked **399 out of 20,696** participants in Educational Codeforces Round 177 (Rated for Div. 2).
- Ranked **368 out of 25,431** participants in Codeforces Round 1013 (Div. 3).

Skills

Languages: C/C++, Java, Python, Shell, HTML/CSS, JavaScript, Tailwind CSS, SQL
Developer Tools: AWS, MongoDB, RESTful APIs, Git/GitHub, Postman, Jenkins
Technologies/Frameworks: React, Next.js, Node.js, Docker, SpringBoot, Linux

Experience

FED Entrepreneurial Society - Link **December 2023 – Present**

Web/App Developer *Bhubaneswar, Odisha*

- Developed and maintained backend APIs for **fedkiit.com** using Node.js, cutting **server response time by 35%.**
- Streamlined data handling and content delivery for **1K+ monthly users,** enhancing site performance and scalability.

Relevant Coursework

- Data Structures
- Algorithm Analysis
- Database (DBMS)
- Software Engineering
- Object-Oriented Programming (OOPs)
- Computer Networks
- Operating Systems

Leadership / Extracurricular

Smart India Hackathon **Spring 2023**

Team Leader

- Led a **team of 6 people** to develop a mental health solution, selected among **top 30 teams** from KIIT.