ADITYA

https://devaditya.duckdns.org

📱 +91 94713 74628 ✉ adityaanandx@gmail.com 🔗 /linkedin/adityaxanand ⏺ /adityaxanand ‹/› /adityaxanand

EDUCATION

Kalinga Institute of Industrial Technology   **September 2022 – May 2026**
*B.Tech in Computer Science Engineering - CGPA Current - **8.45/10***   *Bhubaneswar, Odisha*

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Object-Oriented Programming.

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 code editor, 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 implementing TCP/IP, supporting 50+ 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 (C++) - Codechef Link - LeetCode Link   **Coding PFs**
- **Leetcode: Knight Badge,** ranked **Top 5% (max rating: 1865).** Solved **300+** problems on GFG and InterviewBit.
- **Codechef:** Ranked **4-Star (max rating: 1829)** competing among an AVG of 34K contestants, **top 5%** globally.
- **Codeforces:** Ranked **Expert** with **(max rating: 1847)** among 1.69M users, **top 8%** globally.
- 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).
- AIR **540 out of 4 Lakh+** participants in All India NCAT **(98.68%ile).**
- Selected of **80,000 students** as a mentee for graphs camp by AlogoUniversity, got featured in the **Hall of Fame.**

TECHNICAL SKILLS

Languages: C/C++, Python, Shell, HTML/CSS/JavaScript
Developer Tools: AWS, MongoDB, MySQL, RESTful APIs, Git/GitHub, Postman
Technologies/Frameworks: React, Next.js, Node.js, Docker, Linux
Soft Skills: Communication, Leadership, Adaptability, Problem Solving, Critical Thinking, Teamwork, Versatile

TECHNICAL EXPERIENCE

Keploy API Fellowship 🔗   **May 2025 – Present**
- Got selected as **one of 1,000** fellows from over **18,000** applicants for Keploy's 2-week API & **open-source program.**
- Contributed pull requests to the **Unit Test Generator,** extending **edge-case** tests and integrating new **Go modules.**

FED Entrepreneurial Society 🔗   **December 2023 – Present**
- 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.

LEADERSHIP / EXTRACURRICULAR

Smart India Hackathon   **November 2023**
- Led a **team of 6 people** to develop a mental health solution, selected among **top 30 teams** from KIIT.

Advanced C++ Certificate - Link   **Autumn 2023**