

Aditi Guin

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EDUCATION

Kalinga Institute of Industrial Technology
B.Tech in Computer Science

Bhubaneswar, Odisha
Expected July 2027

EXPERIENCE

Chief Product Officer & React Native Engineer
EXSOLVIA

Feb 2025 – Present
Remote

- Architected and scaled the React Native frontend to support **30,000+ active users**, ensuring high performance and reliability
- Directed frontend development using **Next.js (TypeScript)**, implementing modular architecture and seamless REST API integration
- Established Agile workflows using **Jira**, improving sprint planning and feature delivery efficiency
- Implemented **CI/CD pipelines using GitHub Actions**, automating testing and deployments, reducing release cycles by 40%
- Collaborated cross-functionally with backend, product, and design teams to align technical execution with business goals

Senior Technical Executive
FED KIIT

Aug 2024 – Present
Bhubaneswar, Odisha

- Organized a large-scale **GSoC workshop** with 100+ participants
- Coordinated and managed 10+ technical events, coding competitions, and workshops
- Enhanced organization website SEO by **10%** through blog system implementation and content optimization

PROJECTS

KAMPYIN | *Next.js, TypeScript, Vercel*

Jun 2025 – Jul 2025

- Spearheaded development of KAMPYIN's official website, establishing digital presence for KIIT's food ordering system
- Collaborated with a team of 7 to build a fully responsive cross-platform web application
- Optimized routing, metadata, and content structure to improve SEO visibility by **70%**
- Deployed production-ready application using **Vercel** with performance monitoring

AlgoLens — **Developer Analytics Dashboard** | *JavaScript, GitHub API, LeetCode API*

- Built a unified analytics dashboard integrating GitHub and LeetCode APIs
- Analyzed commit history, problem-solving trends, and coding consistency to generate performance insights
- Designed interactive visual dashboards for developer productivity tracking

GridShield — **Energy Load Forecasting & Risk Dashboard** | *Python, Streamlit, Scikit-learn*

- Built a penalty-aware electricity demand forecasting system optimizing financial exposure under regulatory constraints
- Developed an interactive Streamlit dashboard to analyze peak-hour deviations and forecast bias
- Implemented Monte Carlo simulations to estimate worst-case penalty risk scenarios
- Visualized forecast vs actual demand patterns and reliability violations for decision support

PUBLICATION

Quantum Computation and Strategic Equilibria in Chess
Springer

- Analyzed strategic equilibria in chess using quantum computation techniques

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, TypeScript

Frontend: React, React Native, Next.js, Flutter

Databases: PostgreSQL, MongoDB

Tools: Git, GitHub Actions (CI/CD), Vercel, Render, Postman

Concepts: Data Structures & Algorithms, OOP, System Design (Basics)