

Koyena Das

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EDUCATION

Techno India Banipur

North 24 Parganas, West Bengal

Bachelor of Engineering in Computer Science and Engineering; CGPA: 8.0/10.0

Aug 2023 – Jun 2027

- Coursework: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

TECHNICAL SKILLS

Languages: C++, JavaScript, Python, SQL, HTML/CSS, TypeScript

Frameworks: React.js, Node.js, Express.js, Next.js, Redux, Material-UI, Tailwind CSS

Tools & Technologies: Git, GitHub, Docker, AWS, Firebase, MongoDB, MySQL, Linux, Postman

Core Skills: Data Structures & Algorithms, System Design, RESTful APIs, Agile Development

EXPERIENCE

Software Engineer Intern

Dec 2025 – Present

Codes Atlas

Kolkata, West Bengal, India

- Developing full-stack web applications using React.js and JavaScript, improving performance through optimized component architectures and efficient state management
- Building RESTful APIs and backend services with Node.js and Express.js, implementing authentication and database operations with MongoDB
- Collaborating in Agile teams using Git workflows, conducting code reviews, and maintaining documentation for scalable software solutions

Python Programming Intern

Feb 2025 – Mar 2025

Remote Internship

Online

- Developed Python-based Expense Tracker with features like data storage, expense categorization, and monthly summaries
- Improved skills in data analysis, error handling, UI design, and writing clean, well-documented code

TECHNICAL PROJECTS

Full-Stack E-Commerce Platform | React.js, Node.js, MongoDB, Express.js, JWT

2025

- Built responsive e-commerce app with user authentication, product catalog, cart functionality, and payment integration serving 500+ users
- Implemented RESTful APIs for CRUD operations and designed Material-UI components achieving 95+ Lighthouse score

Data Structures Visualizer | C++, JavaScript, HTML/CSS, Canvas API

2024

- Created interactive tool visualizing arrays, trees, graphs, and algorithms (sorting, searching) helping 200+ students
- Optimized rendering performance using Canvas API and implemented efficient algorithms in C++ with JavaScript frontend

Real-Time Task Management Dashboard | React.js, Firebase, TypeScript, Cloud Functions

2024

- Developed collaborative app with Firebase Realtime Database, user authentication, and role-based access for 50+ team members
- Deployed on Firebase Hosting with CI/CD pipeline using GitHub Actions for automated testing and deployment

CERTIFICATIONS

AWS Solutions Architecture Job Simulation

Amazon Web Services

- Completed hands-on simulation covering EC2, S3, Lambda, and architectural design patterns for scalable cloud solutions

Tata Group - Cybersecurity Analyst Job Simulation

Tata Group

- Gained practical experience in threat analysis, security protocols, and risk assessment methodologies

Journey to Cloud: Envisioning Your Solution

Cloud Training Program

- Learned cloud migration strategies, architecture design, and best practices for cloud-based application deployment

Data Science for Engineers

NPTEL Online Certification

Smart India Hackathon 2025 Participation Certificate

Government of India

ACHIEVEMENTS & LEADERSHIP

Google Developer Student Clubs (GDSC) | Active Participant

2023 – Present

- Participating in technical workshops, hackathons, and coding competitions focused on emerging technologies
- Collaborating on open-source projects and contributing to community-driven development initiatives

Problem Solving | LeetCode & Competitive Programming

2023 – Present

- Actively solving DSA problems on LeetCode, focusing on algorithms, data structures, and optimization techniques