

BRAJENDRA SINGH KAURAV

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EDUCATION

National Institute Of Technology, Agartala

Dec 2021 – June 2025

Bachelor of Technology in Electrical Engineering

CGPA: 8.12/10

EXPERIENCE

Chainguard, Inc

March 2024 – June 2024

Software Engineer Intern

Remote, Washington

- Collaborated closely with **2** Senior Software Engineer to optimize and implement a secure containerized software solution, leveraging Chainguard's hardened base images to enhance application security.
- Implemented security-critical features like **token-based authentication** and **role-based access control (RBAC)** to protect APIs and ensure only authorized access.
- Integrated **mTLS (mutual TLS)** and Conducted thorough **security audits** on API endpoints, identifying and mitigating vulnerabilities such as **insecure direct object references (IDOR)** and **SQL injection risks**.
- Reduced security risks by **20%** by following secure coding practices, including **input validation**, **error handling**, and **secure data storage**.

KoinX

Sep 2023 – Nov 2023

Front End Developer Intern

Remote, Bangalore

- Optimized performance up to **25%** And Integrated API to fetch real-time market data, enabling comprehensive retrieval of market information.
- Managed **1000+** user accounts through Management API by performing CRUD operations.
- Tools & Technologies used : APIs, Axios, GraphQL, React, JS.

PROJECTS

CodeStats | 

CodeForces Profile Analyzer

- Tools & Technologies: CF API, Google chart API, Chart.js, Ajax, React, JS
- Developed CodeStats, a web application that analyzes Codeforces profiles to provide insights into user performance.
- Designed and implemented features to track contest ratings, problem-solving trends, and performance statistics.
- Implemented data visualization to present intuitive graphs, highlighting user progress and areas for improvement.

AlgoPaths | 

PathFinding Algorithm Visualizer

- Tools & Technologies: DS Algorithms, NodeJs, React, Chart.js, JS, CSS, HTML
- Developed dynamic visualizations for pathfinding algorithms like Dijkstra's, A* and BFS, enhancing user comprehension
- Enabled customizable options for grid size, obstacle density, and algorithm parameters, improving flexibility.
- Integrated real-time updates for users to observe algorithm decisions and interactions dynamically.

TECHNICAL SKILLS

Languages:	C++, Python, SQL
Technologies:	RESTful APIs, SDLC, React, Google Charts, Chart.js, JSON, XML, Material UI
CS Fundamentals:	DSA, OOPS, DBMS, Computer Networks and OS(familiar)
Developer Tools:	Linux, Git, GitHub, Visual Studio, IDE
Soft Skills:	Communication, Teamwork, Presentation, Event Management
Area of Interest:	Software Development, Agile Environment, AWS Technologies.

ACHEIVEMENTS

- **2nd** Round Finalist HackOn with Amazon Season-4
- Solved **600+** problems on including all platforms like Codeforces, Leetcode, GFG, CodeChef, etc.
- **Global Rank 355** in Leetcode Biweekly Contest 140.
- Solved **250+** questions on Leetcode. Handle: [brajendrakaurav472](#)
- Solved **200+** questions on CodeForces. Handle: [bkaurav](#)

EXTRA-CURRICULAR ACTIVITIES

- Bronze Medalist(2023) for NIT Agartala in ALL INDIA INTER NIT Kabaddi Tournament (2023-24) organised by NIT Surathkal.
- Member of Xanthroz Club (EV Group).