

Sayandeep Saha

Software Engineer

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SUMMARY

Software Engineer with hands-on experience in desktop and web application development using Flutter, React, and Java. Proven track record in leading teams, building accessible platforms under hackathon constraints, and delivering production-ready software solutions. Skilled in full-stack components, algorithmic visualization, and rapid product deployment.

EXPERIENCE

Team Lead

PRAYAS 2k25 Hackathon — VistaLex

Jan 2025 – Jan 2025

- Led a 4-member team to build an accessibility platform using React under hackathon constraints.
- Coordinated development tasks to deliver a cohesive product, securing 1st place among all competing teams.

Flutter Development Intern

NexYug Tech

Jun 2024 – Jul 2024

- Developed and deployed a production-ready Windows desktop spreadsheet application using Flutter and Dart within a 45-day cycle.
- Implemented structured data handling, scalable UI workflows, and input validation logic for spreadsheet-style data management.
- Handled frontend development independently using real-world datasets, dynamic UI components, data visualization, and automated date-based notification logic.

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EDUCATION

Techno Int'l New Town · B.Tech · 2022 – 2026

Aditya Academy · Class 12, Class 10 · 2020 – 2022

SKILLS

Languages and Frameworks: C++, Dart, Go Lang, HTML/CSS/JS, Java, JavaScript, Python, TypeScript, Express, Flutter, Node.js, React, Socket.io

Databases: DBMS, MongoDB, SQL

Tools: Data Structures, Firebase, Git, GitHub, REST APIs, SDLC, VS Code

PROJECTS

Pathfinding Visualizer – Algorithm Visualization Tool

Built an intuitive visualization tool in Java (JavaFX, Maven) to compare real-time graph traversal algorithms (BFS, DFS, Dijkstra) across weighted terrains. Implemented graph traversal algorithms using Java, JavaFX, and Maven to visually demonstrate pathfinding behavior across weighted terrains.

Java, JavaFX, Maven

Village Health – Healthcare Management System

Architected a full-stack healthcare platform to manage patient data, role-based staff access, and real-time alerts. Developed a healthcare management platform using Node.js, Express, MongoDB, and Socket.io for patient data and real-time alerts.

Node.js, Express, MongoDB, Socket.io

Additional projects: GrowGrid – Community Reporting Platform, Village Health Healthcare Management System, Auto Parts Pro Backend System Development, GrowGrid Community Reporting Platform, Pathfinding Visualizer, VistaLex Accessibility Platform, VistaLex

AWARDS

Winner – PRAYAS 2k25 Hackathon, Winner – Intra College Coding Competition, Winner – Intra College Debate Competition, Winner — PRAYAS 2k25 Hackathon, Winner — Intra College Coding Competition, Winner — Intra College Debate Competition, Winner – Intra-College Coding Competition, Winner – Intra-College Debate Competition, Introduction to Responsible AI, Google Cloud Computing Foundations: Cloud Computing Fundamentals, Level 3: GenAI, Perform Foundational Data, ML, and AI Tasks in Google Cloud, Google Cloud Computing Foundations: Data, ML, and AI in Google Cloud