Anand Kishore

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Experience

LabVantage Solutions, Inc   Kolkata, India
Associate Software Engineer   Sept 2023 – Present

- Designed and implemented responsive UI components using **ReactJS**, **Redux**, and **JavaScript** for **laboratory information management system modules**, increasing user satisfaction by **30%**.
- Collaborated cross-functionally with the **DevOps team** to build 3 scalable internal platforms with **React**, **Python**, and **RESTful APIs**, improving workflows for **20+ users** and cutting operational costs by **40%**.
- Integrated real-time **notification services** including **email**, **push alerts**, and **in-app messages**, boosting communication efficiency and engagement.
- Automated the **installation process**, reducing setup time from **10 to 12 hours** to under **10 minutes**, improving **client onboarding**.
- Resolved production bugs and delivered new feature requirements by modifying **Java**, **JSP**, and **JavaScript** code, enhancing system functionality and stability across key **product modules**.

LabVantage Solutions, Inc   Kolkata, India
Associate Solution Engineer Intern   Jan 2023 – July 2023

- Acquired proficiency in **Java**, **SQL**, and **JavaScript** via intensive backend training; contributed over **500+ lines of production-level code** in enterprise **LIMS modules**.
- Integrated **RESTful APIs** with dynamic front-end views, enhancing application responsiveness and interactivity.
- Customized **HTML reports** and product **labels** to deliver data insights and meet client-specific requirements.
- Modified configurations and resolved various **functional issues**, leading to improved system usability and reduced issue escalations.

Projects

VChat App – AI-Powered Real-Time Chat Application   [Live Demo]
Tech Stack: ReactJS, Node.js, Express.js, MongoDB, Socket.IO. AI

- Built a **MERN** stack chat app with **real-time** messaging, group chat, typing indicators, and presence updates.
- Integrated **AI features** including smart replies, emotion detection, translation, and automatic summarization for enhanced user interaction.
- Implemented **WebRTC-based** audio/video calling with media toggles and real-time AI moderation for safe, interactive communication.

Algorithm Visualizer – Interactive Sorting Algorithm Learning Tool   [Live Demo]
Tech Stack: ReactJS, Redux, TypeScript

- Built a **responsive web app** using **React** and **TypeScript** to visualize algorithms like **Bubble Sort**, **Merge Sort**, and **Quick Sort**, improving algorithm comprehension for **100+ users**.
- Leveraged **Redux** and type-safe component architecture to ensure robust state management and scalable code structure.

Education

Haldia Institute of Technology   West Bengal, India
Bachelor of Technology in Computer Science Engineering   Sept 2019 – Sept 2023
CGPA: 9.23 / 10

Achievements

- Solved **350+** Data Structures and Algorithm problems on LeetCode, GFG, HackerRank, and PepCoding.
- Awarded **5-Star** rating in **Java (Problem Solving)** on HackerRank.

Technical Skills

Programming Languages: JavaScript, TypeScript, Java, Python, C, C++, HTML, CSS
Web & Frameworks: ReactJS, Redux, Node.js, Express.js, TailwindCSS, Mongoose, Socket.IO
Cloud & DevOps: AWS (EC2, Lambda S3), Git, GitHub, Postman, Webpack, CI/CD pipelines, Jenkins
Databases: MongoDB, MySQL, Oracle
Tools & Platforms: VS Code, IntelliJ IDEA, JIRA, Confluence, Windows, Linux
Core Concepts: Data Structures & Algorithms, OOP, REST APIs, SDLC, Agile, TDD, System Design