

❖ SUMMARY

Full Stack and DevOps Engineer with expertise in MERN stack development, cloud deployment, and CI/CD automation.

❖ EXPERIENCE

June 2025 - October 2025

Summer Intern | Univolve Consulting, Kolkata

AI-Powered Mock Interview System Developer

- Engineered backend architecture for AI-driven interview system (MERN), achieving 99.6% uptime.
- Applied NLP & speech analysis for real-time feedback, reducing prep time by 18%.
- Improved user readiness by 40% and positive outcomes by 25%.

❖ PROJECTS

▪ SigmaGPT – AI Chat Application:

Technologies: React.js, Node.js, Express.js, MongoDB, OpenAI API

- Analyzed and did the refactoring of the full-stack chat application's architecture, decreasing code complexity by 25% and improving overall system maintainability for future feature integrations.
- Designed and implemented a structured RESTful API and utilized MongoDB for efficient data management, ensuring seamless functionality and scalability.
- Deployed the application on Render, showcasing practical experience with cloud deployment and continuous integration.

<https://sigmagpt-frontend.onrender.com/>

▪ SpaceCall – Video Calling Application:

Technologies: React.js, Node.js, Express.js, WebRTC, socket.io

- Refined (99.9%) a real-time, peer-to-peer video calling platform inspired by Zoom, ensuring high-quality, low-latency communication.
- Leveraged WebRTC for direct streaming between users and Socket.io for reliable real-time signaling and room management.
- Devised a full-stack solution using React.js for the client-side and Node.js/Express.js for the server-side, showcasing end-to-end development skills.

<https://spacecall-frontend.onrender.com/>

▪ Stockyard – Stock Trading Platform:

Technologies: React.js, Node.js, Express.js, MongoDB, Chart.js

- Pioneered a stocks trading platform that provides users with real-time stock visualization and secure portfolio tracking.
- Reorganised interactive charting features within the stock trading platform, resulting in a quantifiable 20% surge in active user engagement with portfolio analysis tools.
- Established a robust management of user portfolios and stock data.

<https://zerodhafrontend-fucd.onrender.com/>

▪ Wanderlust Pvt Ltd – Rental Booking Platform:

Technologies: Node.js, Express.js, MongoDB, REST API

- Initiated a comprehensive rental booking platform that saw a 30% increase in user adoption within the first two months with secure user authentication and streamlined booking workflows.
- Innovated to manage listings, user data, and booking information, ensuring a seamless user experience.
- Optimized database queries and APIs for enhanced performance and scalability, handling a high volume of concurrent users (more than 200) during peak usage.

<https://airbnb-wanderlust-suod.onrender.com>

❖ SKILLS

- Languages:** Java, Python, JavaScript
- Web Development:** HTML, CSS, Node.js, Express.js, React.js, Redux, Next.js, Jest
- Databases:** MySQL, MongoDB
- Cloud:** AWS, Render
- DevOps:** Docker, Kubernetes, CI/CD Pipelines, GitHub Actions
- Version Control:** Git and GitHub

❖ EDUCATION

- Adamas University** (NAAC A), Kolkata | 2022-2026 | B.Tech in Computer Science Engineering
CGPA: 8.0