

# MOHAMED SAMEER S

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## EDUCATION

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| <b>Chennai Institute of Technology</b><br><i>Bachelor of Technology in Computer Science and Business Systems</i> | CGPA: 9.14/10.0<br>2023 – 2027 |
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## EXPERIENCE

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| <b>Technical Lead - Nex Digi, Remote</b><br>• <b>Full-Stack Web Development</b> – Architected and deployed responsive <b>12-page</b> enterprise website with dynamic service catalog, portfolio showcase, and automated contact system, boosting client engagement by <b>35%</b> and lead generation significantly.<br>• Engineered Zenviya platform frontend using React components and optimized configurations, reducing page load times by <b>25%</b> and enhancing user experience across mobile/desktop platforms, increasing visitor retention by <b>18%</b> .<br>• Implemented comprehensive testing pipeline, performance optimization, and CI/CD workflows for scalable deployments, achieving seamless user experience, enhanced maintainability, and robust architecture for both platforms.   | Nov. 2024 – Dec. 2024 |
| <b>Blockchain Research Intern - Chennai Institute of Technology, Chennai, TN</b><br>• <b>Blockchain Platform Analysis</b> – Conducted comprehensive comparative study of 5 blockchain networks including Ethereum, Solana, and Tezos, evaluating transaction costs, processing speed, and security metrics for charitable donation applications.<br>• <b>Music Royalty Management System</b> – Developed smart contract-based royalty distribution platform using Solidity and IPFS integration for automated payments and decentralized storage, reducing manual processing overhead by <b>45%</b> .<br>• <b>Smart Contract Testing</b> – Deployed and validated <b>12+</b> smart contracts across Ethereum and Polygon networks, achieving <b>97%</b> unit test coverage and ensuring secure, gas-optimized blockchain transactions worldwide. | Nov. 2024 – Dec. 2024 |

## PROJECTS

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| <b>Cross-Platform Fitness App</b>   Flutter, Hive, Supabase, BLoC<br>• Built comprehensive fitness application with meal tracking, calorie monitoring, and workout management featuring offline synchronization, daily health data processing, personalized insights generation, and analysis of <b>60+</b> health metrics.<br>• Implemented Clean Architecture with BLoC pattern, integrating Hive local storage and Supabase cloud services for authentication and data synchronization, achieving <b>96%</b> test coverage and high-performance application delivery. | Apr – May 2024 |
| <b>Student Networking Platform</b>   Flutter, Firebase, GetStream<br>• Developed comprehensive student community platform with Firebase integration for event discovery, team formation, and hackathon coordination, featuring real-time messaging, forums, announcements, and managing <b>250+</b> events effectively.<br>• Integrated Firebase Authentication and Firestore with GetStream API for real-time updates, community features, chat functionality, and voice calling capabilities, achieving <b>92%</b> test coverage for reliable performance.             | Jan – Feb 2024 |
| <b>AI Model Web Interface</b>   React.js, FastAPI, REST APIs<br>• Led frontend development for AI model interaction platform using React.js, creating <b>55+</b> modular components with seamless API integrations, improving response efficiency by <b>35%</b> and enhancing user engagement substantially.<br>• Collaborated with backend team for FastAPI endpoint integration, enabling multi-model query processing, optimized data pipelines, and achieving <b>45%</b> faster response times with enhanced scalability and seamless functionality.                 | Feb 2024       |

## TECHNICAL SKILLS

**Frameworks:** Flutter, Express.js, Node.js, Next.js, React.js  
**Languages:** Java, Dart, Python, JavaScript, HTML, CSS  
**Databases:** Postgres, MySQL, MongoDB, Supabase  
**Tools & Platforms:** AWS, Git, GitHub, Android Studio, Xcode, Linux, Figma, Vercel

## CERTIFICATIONS

AWS Certified Cloud Practitioner - Feb 2025  
NPTEL Cloud Computing Certification - Nov 2024  
NPTEL Database Management Systems - Mar 2024  
React Basics Certification - Meta - May 2024  
Blockchain Basics - University at Buffalo - May 2024

## ACHIEVEMENTS

- TCS CodeVita:** Secured worldwide Rank **934** in Round 2 among **100,000+** participants globally, successfully.
- Competitive Programming:** Solved **910** problems on LeetCode (Max Rating: **1824**) and achieved **3-star** rating on CodeChef
- IEEE Publication:** Published research paper titled **Comparative Analysis of Blockchain Platforms for Charitable Donations**

## VOLUNTEERING

- Tech Fiesta 2025 Workshop:** Conducted comprehensive Flutter mobile development workshop for **220+** students, covering application fundamentals, UI/UX principles, and deployment strategies with excellent participant feedback.
- Asymmetric Club Development:** Contributed to frontend development of official club website using modern web technologies, implementing responsive design and enhanced user experience for member engagement.
- Zorphix National Symposium:** Coordinated technical symposium logistics, managed speaker sessions and registration systems for **500+** attendees, ensuring seamless event execution and participant satisfaction.