# MD ADNAN SAMI

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in LinkedIn ⌂ GitHub 🔗 Portfolio </>LeetCode

## EXPERIENCE

**Bean**                                                                                          **Nov 2024 - Current**
*Software Developer*                                                                                      *Remote*

- Built and scaled a cross-platform **React Native** meal-planning platform with auto pantry sync, family meal sharing, and personalized plans, serving thousands of active users.
- Designed and deployed AI-driven systems using **RAG**, embeddings, **function calling**, and **MCP** to power personalized meal recommendations, pantry automation, and shopping workflows—reducing manual effort by **50%** and ingredient waste by **60%**.
- Architected scalable **microservices** for recipe imports (videos, blogs, images), implementing **data normalization**, **caching**, and **deduplication pipelines** to reduce ingredient records from **50k to 20k**, significantly improving query performance.
- Strengthened system reliability and performance by configuring **Google CDN**, load balancers, **CI/CD pipelines**, and containerized deployments with **Docker**; built reliable notification pipelines using **AWS Lambda**, **Amazon SQS**, and Expo, and added backend tests using **Jest**.

**Radise India Pvt Ltd**                                                                          **Aug 2024 - Nov 2024**
*Jr Fullstack Developer*                                                                                 *Hyderabad*

- Integrated Mapbox, migrated 3D layers rendering from Threejs to deck.gl for 3D buildings rendering on maps reducing **60% load time** and **40%** optimization, additionally implemented Custom PDF generation functionality
- Built an **MQTT connection interface** to stream **real-time sensor data**, enabling **continuous monitoring** and **frequency adjustments** through the admin dashboard for better control and system flexibility.

## TECHNICAL SKILLS

**Languages & Paradigms**: JavaScript, TypeScript, Python, Go, Java, SQL, OOP, SOLID.
**Libraries/Frameworks**: React, Next.js, React Native, Node.js/Express, FastAPI, Tailwind CSS, Material UI, Firebase, Supabase, Jest, GitHub Actions
**Course Work**: Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems.
**Developer Tools**: AWS, Docker, CI/CD, Git, GitHub, Vercel, Figma.
**Others**: System Design, Problem Solving, Project Management, Communication.

## EDUCATION

**Osmania University**                                                                                  **2020–2024**
*Bachelor of Engineering in Computer Science- 80%*                                                       *Hyderabad*

**Sri Chandra's Junior and Degree College**                                                            **2018–2020**
*Intermediate/High School- 95.6%*                                                                       *Hyderabad*

## PROJECTS

**CourseStack** | *React.js, Redux, MongoDB, Express, Node.js, Tailwind, Rest API* 🔗

- Developed a feature-rich MERN application with modular, reusable components—enabling users to register, purchase courses, watch videos, and engage with likes/comments
- Integrated Razorpay for streamlined payment processing, facilitating easy access to premium content for users

**Eagle's Store** | *React.js, Redux, CI/CD, Docker, AWS, PWA* 🔗

- Crafted a responsive ecommerce store app with a robust search feature,and filtering, allowing users to quickly locate desired products improving user experience by **20%** .
- Developed and deployed the app using CI/CD, Docker, and AWS for streamlined updates and scalability.
- Developed the app as a Progressive Web App (PWA) for enhanced accessibility and user experience and also Added a user-friendly cart functionality

## ACTIVITIES AND ACHIEVEMENTS

- ∗ Winner of the **MJ Hack Revolution Hackathon**, securing **1st place** among **60+ teams** at MJ College.
- ∗ Initiated a campus coding community, orchestrating weekly workshops attended by 50+ students; mentored participants in mastering Python fundamentals, resulting in **90%** completing personal coding projects.

## CERTIFICATIONS

- ∗ Earned the Cloud Foundation badge and certificate after completing the AWS Cloud Foundations with a final passing grade of **90%** from 100% score on the test.🔗