Tirupati Balu Chandrasekhar

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EDUCATION

University of North Texas Denton, TX
Masters In Computer Science *Aug. 2023 – May 2025*

Chennai Institute of Technology Chennai, IN
Bachelor of Engineering in Electronics and Communication Engineerin *Aug. 2018 – May 2022*

EXPERIENCE

Software Engineer, Intern June 2024 – August 2024
MS Info Tech LLC *Location*
- Developed several frontend websites using React for various projects.
- Connected Google Sheets with App Script to manage employees and log their work hours.
- Integrated various third-party APIs and services to enhance website functionality and optimize user interaction.

Pega Developer, Intern March 2022 – September 2022
Areteans *Chennai, IN*
- Developed and implemented features for a car insurance application using Pega 8.6.
- Designed and executed data transformations to ensure accurate data handling within the application.
- Participated in code reviews and contributed to best practices in Pega development

PROJECTS

ByteShare | Live Link November 2024
- Developed a file-sharing web application allowing users to upload files and generate shareable links for easy distribution.
- Implemented link expiration for security, ensuring links are valid for one day only.
- Integrated AWS S3 for secure and scalable file storage, using presigned URLs for access control.
- Technologies Used: Next.js 15, TypeScript, AWS S3, Tailwind CSS, React, Vercel.

Mocky | Live Link December 2024
- Developed an AI-powered mock interview platform with Next.js 15, allowing users to simulate realistic technical interviews and receive instant feedback.
- Integrated the Gemini API to simulate a proper interview experience, where Gemini generates real-time interview questions tailored to the user's profile.
- Implemented a microphone-based recording system to capture user responses, sending them to Gemini for accurate and detailed feedback.
- Utilized Auth.js for session management to securely handle user authentication and ensure a personalized experience.
- Technologies Used: Next.js 15, React, TypeScript, Tailwind CSS, Gemini API, Neon DB, Prisma ORM, Auth.js.

SimpleStorage | Live Link January 2025
- Developed a cloud storage platform using AWS S3 for secure file storage and retrieval.
- Implemented user authentication with NextAuth to ensure secure file management.
- Used Amazon CloudFront to improve file delivery performance and reduce latency.
- Added a file sorting feature to make it easier for users to manage and find files when there are many stored.
- Created a responsive, modern UI with Tailwind CSS to ensure optimal performance on all devices.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, HTML, CSS, JSON, YAML, XML
Frameworks: Node.js, Next.js, Express.js, React.js, Redux
Databases: MongoDB, SQL, Supabase, Prisma ORM, Redis
Developer Tools: Git, GitHub, Docker, Kubernetes, CI/CD, AWS
UI Libraries: Tailwind CSS, Bootstrap

CERTIFICATIONS

AWS Certified Cloud Practitioner [Link]