

# Tirupati Balu Chandrasekhar

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## EDUCATION

### University of North Texas

*Masters In Computer Science*

Denton, TX

Aug. 2023 – May 2025

### Chennai Institute of Technology

*Bachelor of Engineering in Electronics and Communication Engineerin*

Chennai, IN

Aug. 2018 – May 2022

## EXPERIENCE

### Full Stack Engineer

*MS Info Tech LLC*

June 2024 – August 2024

*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

*Areteans*

March 2022 – September 2022

*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

**Frameworks:** Node.js, Next.js, Express.js, React.js

**Databases:** MongoDB, PostgreSQL, Supabase, Prisma ORM

**Developer Tools:** Git, GitHub, Docker

**UI Libraries:** Tailwind CSS, Bootstrap