ARASADA VENKATA GOUTHAM CHARAN

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EXPERIENCE

Internship   **DataFactZ**
Hyderabad, IN   Jan 2025 – Jun 2025

- Developed a **HRMS System Application** using Next.js and PostgreSQL which aims to reduce **Operating Expenses of the Company by 80%**.

- Integrated Gemini LLM for seamless automation in the application.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML5, CSS, GoLang
Libraries/Frameworks: Shadcn, Tailwind CSS, Node.js, Next.js, Express.js
Developer Tools: Git, VS Code, Postman
Other Skills: OOPS, Computer Networks (TCP/IP), Operating Systems, REST API
Databases: MySQL, MongoDB, PostgreSQL

PROJECTS

HRMS System Application
Technologies used: *Tailwind/Shad-cn, Next.js, PostgreSQL, Prisma, Gemini 1.5 Flash LLM, GoLang*

- Developed a **fully-functional HRMS System** with features including leave management, project assignment, and resume building.
- Enabled users to submit leave requests, **Notifies** Admins and Managers via **e-mail**, which are updated by the same.
- Built a **GoLang** microservice to track and log the full history of leave status changes, providing an audit trail via REST APIs integrated with the main system.
- Implemented dynamic data visualization that automatically generates graphs based on leave submissions and other activities.
- Developed a **Resume Builder using Generative AI** to extract information from PDFs and populate pre-defined templates for managerial use.
- Integrated Gemini LLM for seamless application automation.
- Designed and migrated database schema using Prisma ORM .
- Managed the full software development lifecycle using **Agile** methodology.

Disaster Management System Website
Technologies used: *HTML5, CSS, JavaScript, Node.js, Express.js, React.js, MongoDB*

- **Worked** on the **Back-end part** of the website.
- Used libraries such as **Mongoose** and **Nodemailer** to fetch and communicate information with nearby emergency services.
- Fetches user's location dynamically and provides accurate location and information about safeplaces within 5km radius.
- Implemented **end-to-end deployment** using **Docker**, **Kubernetes**, and **AWS**.

EDUCATION

Vel Tech University (CGPA: 8.0)   Chennai, IN
Bachelor of Technology in Computer Science and Engineering   *Aug. 2021 – Jun 2025*

Sri Chaitanya Junior College (Percentage: 94.8)   Hyderabad, IN
Higher Secondary Education (12th)   *May. 2019 – May 2021*

Sri Chaitanya School(Percentage: 83.5)   Visakhapatnam, IN
Secondary Education (10th)   *May. 2018 – May 2019*