Cheerla Ratan Kalpa Sai

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Education

Indian Institute of Information Technology, Allahabad   **Dec 2021 - 2025**
Bachelor of Technology in Information Technology   *8.56/10 CGPA (6 semesters)*

Sri Chaitanya Junior Kalasala   **May 2019 - May 2021**
Class 11-12, IPE   *Percentage: 98%*

Sri Chaitanya School   **May 2018 - May 2019**
Class 10, SSC   *Percentage: 95%*

Work Experience

Capgemini   **June 2024 – July 2024**
Software Development Intern   *Hyderabad, Telangana*

- Developed and implemented a microservice facilitating daily job management, featuring a searchable archive of previous day's job details and a real-time data table for current day's tasks.
- Implemented batch processing for job execution, robust validation for search parameters and reprocessing, and CSV data export functionality for reporting purposes.
- **Tech Stack**: Java Springboot, Spring Data, Spring Batch, JUnit, Tomcat

Projects

Online Media: A Social Media Website   **Source Code**

- This project is a dynamic web-based social media platform designed to connect users through shared posts, profiles, and interactions. Users can create posts, with Images and Videos, like and comment on other's posts, view user profiles, and follow or unfollow other users based on their interests.
- Implemented Authentication & Authorization by **Google Firebase** and **JWT Web Token**, which will be sent by **Nodemailer** to Mail.
- Frontend is made by **ReactJS, TailwindCSS** & Used **Node.js, Express.js** for Backend
- Used **Redux Toolkit** for State Management, Utilized **Google Firebase** for Database.

Shopping Cart: A E-commerce Website.   **Source Code**

- This is a Ecommerce website aimed at providing a seamless shopping experience for customers, with variety of products across different categories, integrated with essential features such as Price Filtering, secure payment gateway through **Paypal Braintree**.
- Also Built a search functionality to search Required products by keywords & Suggesting Similar Products to customers by **MongoDB**.
- Frontend is made by **Bootstrap, ReactJS** & Used **Node.js, Express.js** for Backend
- Used **Custom Hooks** for State Management, Utilized **MongoDB** for Database.

SERL Lab: A CV Portfolio Application.   **Source Code**

- A web-based application where researchers can showcase their Publications, Projects, & Admin has power to CRUD operation on Publications , Projects and Details of the researchers.
- Also Implemented Live Datasearch using **Node.js, AJAX**, and CRUD Operations by **MySQL**, also Publications gets automatically Segregated by Name.

Technical Skills

Languages: Python, Java, C++, JavaScript
Backend: Node.js, Express.js, Java SpringBoot
Frontend: React, TailwindCSS, HTML, CSS, Bootstrap
Databases: MySQL, MongoDB, Google Firebase
Web Technologies: Socket.IO, Spring Data, Spring Batch
Developer Tools: Postman, Sublime Text, VS Code, Git,GitHub

Algorithmic Competitions/Achievements

- Rated **Pupil** on Codeforces.
- Rated **Knight** on Leetcode.
- Qualified in Indian National Junior Science Olympiad **INJSO**.
- Qualified in Indian National Astronomy Olympiad Junior **INAO.Jr**.
- Qualified in National Standard Examination in Junior Science **NSEJS**
- Selected in **Top 20** teams from IIIT Allahabad in **Smart India Hackathon 2022**