GANGAVARAPU RAMYA
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Work Experience

Full Stack Developer | **Freelancer**   **May 2024 - Present**
Project: Textile Business Website
- Frontend Development & UI/UX Design: Led the development of a responsive and intuitive user interface using **React.js**, accounting for **60%** of the overall project efforts. Collaborated with the design team to implement a modern and engaging user experience.
- AWS Deployment & Backend Integration: Managed deployment on **AWS**, ensuring cloud scalability and seamless operation, representing **20%** of the project efforts. Assisted in backend integration to facilitate smooth communication between **front-end** and cloud deployment, accounting for **5%** of the project efforts.

Pega Associate | **Intellativ India Private Limited**   **April 2024 - Present**
- Engaged in hands-on real time project work, focusing on implementing PEGA solutions for business process management (BPM).
- Contributing to the design and creation of user-facing applications with a strong emphasis on usability and an excellent user experience.
- Developing reusable components to enhance application efficiency and usability across the enterprise.
- Utilizing CPM 6.x, Pega PRPC Insurance solutions, and repository tools like Subversion and GIT for efficient project workflow management.

Technical Skills

- **Frontend:** HTML5, CSS3, React JS, CSS Flexbox, Bootstrap, JavaScript.
- **Backend:** Node JS, Express JS, Python, SQL, Redux.
- **Database:** MongoDB, MySQL.
- **Other Skills:** Pega PRPC, AWS, Git, GitHub, Software Engineering, Networking

Technical Projects - MERN

Freelance Project: **Customer Management and Inventory System for Textile Business -** *Ongoing*
- Frontend Development **(50%)**: Created a responsive, user-friendly interface using **React.js** to manage customer updates, payment details, and inventory.
- Backend Integration **(20%)**: Collaborated with backend developers to integrate **RESTful APIs** for seamless data management.
- AWS Deployment **(15%)**: Working on deploying the application using **AWS** for enhanced scalability and reliability.
- Ongoing Improvements **(15%)**: Continuously refining the application based on client feedback to enhance functionality and user experience.
Technologies used: **React JS, JavaScript, Node JS, Express JS, SQL, MongoDB, Git, GitHub, AWS**

Nxt Trendz (E-Commerce Clone - Amazon, Flipkart) nxttrendzrg.ccbp.tech
Rolled out an innovative e-commerce platform patterned after Amazon and Flipkart.
- Designed pages for Login, Products, and Product details with React Router and React components
- Ensured user security through **JWT tokens, REST API calls**, and local storage.
Technologies used: **React JS, JS, CSS, Bootstrap, Routing, REST API Calls, Local Storage, JWT Token, Authorization, Authentication**

IPL Dashboard https://github.com/Ramya-Gangavarapu/ipldb-app
Implemented IPL Dashboard app where users can list of ipl team, individual team details and respective team matches info
- Implemented UI such as home dashboard, individual team info routes by using **React Router library** components like Route, Switch, Link, props, lists & keys.
- Fetched teams list from server asynchronously using fetch **GET HTTP API** call & individual team details, matches info by sending team id as path parameter.
- Implemented 404 not found page for invalid paths by keeping 404 Route as last route in the Switch component with path.
Technologies used: **React JS, Routing, REST API Calls, CSS, Bootstrap**

Jobby App https://github.com/Ramya-Gangavarapu/Jobby-app
Constructed an all-in-one job searching platform, Jobby App.
- Built pages for Login, Home, Jobs, and Job item details with React components, form inputs, and event handlers.
- Ensured secure authentication with **JWT tokens and REST API calls**.
- Persisted login state with local storage and protected routes with React Router.
Technologies used: **React JS, JS, CSS, Bootstrap, Routing, REST API Calls, Local Storage, JWT Token, Authorization, Authentication**

Movies App (Netflix/Amazon Prime Clone) https://github.com/Ramya-Gangavarapu/movieDB-app
Built a dynamic, feature-rich OTT platform for movie enthusiasts.
- Utilized React Router for seamless navigation, React Slick for horizontal scrolling, and **Figma for UI design**.
- **Integrated TMDb APIs** for movie database and authentication, and used client storage to persist login state.
Technologies used: **HTML, CSS, JavaScript, React JS, Bootstrap, React Slick, Figma, client storage.**

Academic Projects

Major Project: Implementation of CNN and FNN for Color Classification
- Implemented CNN and FNN models in MATLAB for efficient color analysis and prediction.
- Utilized TCS3200 color sensor and webcam for real-time image processing.
- Applied in various domains including object recognition, quality control, robotics, gaming, and more.

Mini Project: Maze Solving Robot with ML
- Developed an ML-based Maze Solving Robot using Texas Instruments Robotic System Learning Kit (TI RSLK). Achieved efficient maze-solving with programmed LEDs and motors.

Publication

Survey: A survey on wastewater treatment and cle*aning using numerous techniques*   **August 2023**
Asian Journal of Convergence in Technology.
Author: Gangavarapu Ramya, **Co-Authors:** Santosh Naik (Faculty), Pavani (Student), Nymisha (Student)

Certifications

- MERN Specialisation, Nxtwave   **June 2024**
- AWS Cloud Quest: Cloud Practitioner, AWS   **May 2024**

Apprenticeship

MERN FullStack Developer **| Nxtwave Disruptive Technologies Private Limited**   **August 2023 - June 2024**

- Engaged in a rigorous apprenticeship program centered on 4.0 Technologies, specializing in **Full Stack Development**.
- Developing expertise in **Front-End and Back-End Web Development, Python Programming, and MySQL**, with a focus on creating robust and scalable web applications.

Education

- **HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT - JNTU**   **2019 - 2023**
  Bachelor of Technology, Electronics and Communication Engineering, CGPA: 7.93

- **NARAYANA JUNIOR COLLEGE**   **2017 - 2019**
  MPC, CGPA: 8.65

- **PALLAVI MODEL SCHOOL**   **2015 - 2017**
  CBSE, CGPA: 9.00

Languages Known

- English
- Telugu
- Tamil
- Hindi