

VISWESWAR REDDY B

✉ viswaeswaarreddy6300@gmail.com ☎ 6300212135 in LinkedIn GitHub Portfolio

Career Objective

Passionate and detail-oriented undergraduate in **software development** and **machine learning**, skilled in the **MERN Stack (MongoDB, Express.js, React.js, Node.js)** for building scalable web applications. Driven to create impactful solutions merging technology with creativity and contributing to high-performance teams.

Education

NxtWave Disruptive Technologies 2023 – Present
Industry-Ready Certification in Full-Stack Web Development (CCBP 4.0)

Rajiv Gandhi University of Knowledge Technologies, Ongole Sep 2022 – Present
BTech in Electronics And Communication Engineering – [CGPA: 8.1/10.0]

Rajiv Gandhi University of Knowledge Technologies, Ongole Jun 2020 – Jul 2022
Pre-University Course (MPC) – [CGPA: 9.3/10.0]

Experience

Front-End Development Intern – Innomatics Research Labs, Hyderabad Jan 2025 – Feb 2025

- Designed and developed highly responsive, user-centric web interfaces using **HTML**, **CSS**, **JavaScript** and **React.js** enhancing visual consistency, accessibility, and performance across multiple modern devices.
- Collaborated in agile sprints to build, optimize, and review front-end components with **Git-based version control**, ensuring faster delivery, seamless team integration, and higher project scalability.

Projects

YouTube Clone Video Streaming Platform [NxtWatch2](#)

- Built a **responsive video streaming platform** featuring video listing, trending, and individual watch pages, ensuring an engaging, smooth, and appealing experience across devices with scalability.
- Used **React Router** for dynamic and efficient navigation and integrated **JWT-based authentication** with adaptive theme toggling to improve security, usability, and responsiveness across multiple devices.
- Implemented advanced search, saved videos, and session persistence using **local storage**, ensuring seamless continuity, personalized interaction, and optimized performance for enhanced user engagement.
- Handled video data via **RESTful APIs** for efficient fetching, rendering, and real-time content updates.
- Tech Stack:** React.js, JavaScript, React Router, REST API, JWT, Local Storage

AI-Based Text Summarization Tool [Summarizer App](#)

- Built an end-to-end **NLP summarization system** integrating **extractive and abstractive models** (T5, BART) and advanced techniques (LLM, MapReduce, Refine) to handle text efficiently and effectively.
- Evaluated model performance using **ROUGE scores** and implemented dynamic model selection logic, significantly improving summary relevance and length consistency by **25%** across varied content.
- Designed and deployed a **highly interactive Gradio-based interface** with real-time model switching and **customizable summary length**, enhancing usability for both technical and non-technical users.
- Tech Stack:** Python, Gemini Flash API, LangChain, Gradio, NLTK

Technical Skills



Languages: Python, JavaScript, HTML, CSS

Core Competencies: Data Structures & Algorithms (DSA), Machine Learning

Frameworks & Libraries: React.js, Node.js, Express.js, MongoDB, Bootstrap, LangChain, Scikit-learn

Management & Soft Skills: Problem Solving, Growth Mindset, Analytical Thinking, Technical Teamwork

Certifications

- **Programming Foundations with Python** – [NxtWave CCBP 4.0 Academy](#) 
- **Frontend Development Internship** – [Innomatics Research Labs](#) 
- **Machine Learning for Engineering and Science Applications** – [NPTEL \(IIT Madras\)](#) 