

VISWESWAR REDDY B

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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

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| NxtWave Disruptive Technologies | <i>Industry-Ready Certification in Full-Stack Web Development (CCBP 4.0)</i> | <i>2023 – Present</i> |
| Rajiv Gandhi University of Knowledge Technologies, Ongole | <i>BTech in Electronics And Communication Engineering – [CGPA: 8.1/10.0]</i> | <i>Sep 2022 – Present</i> |
| Rajiv Gandhi University of Knowledge Technologies, Ongole | <i>Pre-University Course (MPC) – [CGPA: 9.3/10.0]</i> | <i>Jun 2020 – Jul 2022</i> |

Experience

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| Front-End Development Intern – Innomatics Research Labs, Hyderabad | <i>Jan 2025 – Feb 2025</i> |
| ○ 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

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| YouTube Clone Video Streaming Platform | <i>NxtWatch2</i> |
| ○ 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 | |

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| AI-Based Text Summarization Tool | <i>Summarizer App</i> |
| ○ 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 \(IIT Madras\)](#) ↗