





# Danda Venkata Sashank

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## PROFILE OVERVIEW

Computer Science student at KLH University with expertise in Java, Python, and Full-Stack development. Proficient in building AI-integrated applications and automated data pipelines using n8n and Google Gemini. Strong foundation in data structures and DBMS, with a proven track record of developing scalable solutions through competitive programming and industry-relevant projects.

## TECHNICAL SKILLS

**Programming languages:** Java, C, Python

**Database Management:** MySQL, PostgreSQL, SQLite, Oracle

**Web Technologies:** HTML/CSS, Bootstrap, React

**AI & Automation:** n8n, Google Gemini (LLM), AI Agents, RAG, Prompt Engineering

**Tools & APIs:** REST APIs, SerpApi, Gmail API, Git/GitHub, RSS Feeds

## INTERNSHIPS

**Company:** LETITBEX AI | **Role:** Trainee | **Duration:** 1 month (May, 2024 - June, 2024)

Contributed to multiple high-impact projects while consistently exceeding performance benchmarks and demonstrating strong professional dedication and technical aptitude within a collaborative team environment.

## PROJECTS

### **Autonomous AI News & Research Agent**

**Technologies:** n8n, Google Gemini (LLM), SerpApi, REST APIs, Vector Context, Gmail API, RSS

Architected an automated end-to-end data pipeline in n8n utilizing Python scripts to aggregate and preprocess real-time technical news from SerpApi and RSS feeds. Integrated Google Gemini 1.5 via API to synthesize 70 daily data points into concise executive summaries, implementing Prompt Engineering to improve response relevance. Implemented Retrieval-Augmented Generation (RAG) principles by using Data Merge and Aggregate nodes to create a structured context for the LLM, ensuring factual accuracy. Optimized high-volume JSON payload processing and LLM token usage through efficient data grouping, resulting in automated daily briefings delivered via Gmail API.

### **Students-Job-Board**

**Technologies:** ReactJS, Tailwind CSS, Laravel, Supabase / PostgreSQL, Custom Chatbot UI

Architected a full-stack platform featuring secure user authentication, dynamic job filtering, and a comprehensive company exploration module. Developed and integrated an AI Interview Preparation System, allowing users to configure mock sessions based on criteria (role, industry, difficulty), showcasing complex form processing and conditional logic. Implemented essential CRUD operations and state management to ensure a smooth, scalable, and personalised user experience.

### **Visions Global Empowerment India**

**Technologies:** ReactJS, Tailwind CSS, Node.js, MongoDB, Custom Chatbot UI, Voice-over Integration

Developed a student-centric platform using ReactJS and Tailwind CSS to expand education access in underserved communities. Integrated voice-input features, chatbot support UI, and campaign showcase sections to improve accessibility. Engineered data visualization modules with graph-based analytics for performance monitoring while optimizing navigation to ensure a responsive, scalable front-end architecture.

## EDUCATION

### **Bachelor of Technology in Computer Science And Engineering (July 2023 - July 2027)**

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Coursework: Data Structures, DBMS, OOP, Operating Systems, DAA, AI/ML.

## CERTIFICATIONS

AWS Certified Cloud Practitioner - Foundational Cloud Infrastructure and Security (Jan 2026)

Nxtwave - Building Responsive Websites with HTML, CSS, and Bootstrap (Aug 2024 - Feb 2025)

Nxtwave - INTRODUCTION TO DATABASES (Feb 2025 - April 2025)

J.P. Morgan Chase - Participation in Code for Good (June 2025)

Nxtwave - Programming Foundations With Python (Jan 2026)