BALA SUBRAHMANYAM BANDI

Tuni, Andhra Pradesh

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EDUCATION

Seshadri Rao Gudlavalleru Engineering College   **2021 – 2025**

*Bachelor of Technology- **CGPA** - **9.08***   *Gudlvalleru, Andhra Pradesh*

Siddartha Junior College   **2019 – 2021**

*Intermediate - **Percentage** - **90.4%***   *Tuni, Andhra Pradesh*

Zilla Parishad   **2018 – 2019**

*Secondary Education - **CGPA** - **9.5***   *Mangavaram, Andhra Pradesh*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Database Management System (DBMS)
- OOPS Concept
- Networking

PROJECTS

Smart AI Research Assistant ↗ | Java, Spring Boot

- ***Description**:*
- Built an AI-driven research assistant using Spring Boot and Spring AI to summarize selected text via a RESTful API, improving information processing efficiency.
- Integrated Google Gemini API using WebClient for prompt-based summarization, and developed a Chrome Extension to extract text and manage research notes using chrome.storage.local.
- Live site here

AI-Powered Face Recognition System using Humanoid Robot ↗ | Python, OpenCV, Raspberry Pi

- **Description:**
- Developed a facial recognition-based faculty attendance system using a humanoid robot with real-time detection powered by MediaPipe and face_recognition library.
- Integrated ROS for motion control and AiNex SDK to enable natural robot gestures like waving and bowing during personalized greetings.
- Live site here

TECHNICAL SKILLS

Programming Languages: Core-Java(Proficient), Python(Intermediate).

Database and Language: MySQL(Intermediate), MongoDB(Intermediate).

Developer Tools: Git, GitHub, Docker.

Web Technology: HTML5, CSS3, JavaScript, Spring boot .

POSITIONS OF RESPONSIBILITY

Vice President of SAINT (IT Department)

- Served as Vice President and coordinated multiple departmental events, including coding competitions, cultural activities, and student engagement programs.

Team Lead

- Led the planning and execution of multiple academic projects throughout B.Tech, including the final-year project.

COURSES & CERTIFICATIONS

- **Wipro TalentNext Programming using Java Full Stack**
- **Data Science, Indo Euro Synchronisation**
- **NPTEL : Introduction to Internet of Things**