

B SANDHYA PRABHU

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EDUCATION

Sahyadri College of Engineering and Management

Expected May 2026

Bachelor of Engineering in Computer Science

CGPA:9.36/10.0

Coursework: Data Structures & Algorithms, Operating Systems, Machine Learning, Cybersecurity, Blockchain, Web Development, Artificial Intelligence.

Involvements:

Google Developer Student Clubs (GDSC) – Participated in AI/ML and web development events, collaborating with peers on innovative projects. AI/ML

Research Enthusiast – Explored deep learning applications in computer vision and NLP, publishing insights on GitHub.

SKILLS

Languages: Java, Python, C/C++, JavaScript, PHP

Frameworks/Libraries: ReactJS, Node.js, Flask, TensorFlow, YOLOv8

Databases: MySQL, MongoDB, Firebase

Tools/Technologies: Git, VS Code, Blockchain (Solidity, Web3), Web Speech API **PROJECTS**

AI-Powered Fabric Defect Detection

Deep Learning-Based Quality Inspection for Textile Industry

- Developed a CNN-based defect detection system to automate quality control in textile industries.
- Implemented YOLOv8 for real-time analysis and enhanced detection efficiency with image processing techniques. **TrustGrid: Blockchain-Based**

Charity Platform (Ongoing Project)

Decentralized & Transparent Donation System

- Built a secure and fraud-proof donation platform using blockchain and smart contracts.
- Designed decentralized architecture ensuring immutable transaction records and donor trust. **Virtual Fitting Room Using AI**

Video-to-Native Language Converter

Multilingual Video Translation & Speech Recognition

- Built a speech-to-text translation system supporting multiple Indian languages.
- Integrated real-time captioning & summarization for accessibility.

Local City Quest (DBMS Project)

Tour Booking & Exploration Platform

- Designed a full-stack tour booking system with an interactive UI and MySQL database.
- Implemented search & filtering for seamless customer experience.

CERTIFICATIONS

- **Full Stack Development** – TCE
- **Backend Development (NodeJS)** – SOSOC
- **Database Management Systems** – Infosys Springboard

ACHIEVEMENTS

- **Rakuten Hackathon Finalist** – Top competitor at **Rakathon 2024**
- **Smart India Hackathon 2024** – Internal level competitor
- **Ethos 2024 (IIT Guwahati)** – National-level tech fest participant
- **DevHost Hackathon 2024** – Developed an AI-powered prototype