

Nikhil Tanneeru

Web Developer | Java Developer

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Profile

Computer Science student at VIT-AP University, Amaravati, with a strong passion for Software Engineering. Experienced in coursework and projects that enhance skills in software development and problem-solving. Eager to apply academic knowledge to real-world challenges in a dynamic environment.

Education

VIT AP University **Year:** 2022-26 **CGPA:** 9.31*
Bachelors of Technology in Computer Science

Programming Languages

- Java
- Python
- R

Database Management

- SQL
- PL/SQL
- MongoDB

Web Technologies

- HTML
- CSS
- Java Script
- React JS
- NodeJS
- Bootstrap
- Tailwind
- Axios
- Context API

Tools & Software's

- Git
- GitHub
- VS Code

Relevant Course Work

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management Systems
- Computer Networks
- Problem Solving using Python

Experience

- **Web Development Intern** at Oasis Info-byte for a duration of 1 month.
- **Co-Lead** of Next Gen Cloud Club in Web Projects Group. **(2023-24)**
- **Lead** in designing Payroll Management System in Java. **(2022-23)**

Certifications

- Using Python to Access Web Data, from Coursera.
- Web Development Certificate from GeeksForGeeks
- Java Script Essentials from Cisco Network Academy
- Programming Essentials in Python from Cisco Network Academy

Projects

Online Appraisal and Performance Analysis

Technologies Used: ReactJS, NodeJS, MongoDB

Year: 2024 - Present

Description: Developed a robust appraisal form that clearly displays and analyses the performance of faculty in a university.

Responsibilities:

- Considering many factors to monitor the active participation of faculty.
- Developing Admin features to evaluate their performance by respective Deans, HOD's and others.

Outcome: Helped to improve usability of appraisal and efficiency.

Smart Visual Assistant for the Visually Impaired

Technologies Used: Arduino, Python

Year: 2023 - 2024

Role: Team Member

Description: Created a device to assist visually impaired individuals in navigation and currency detection.

Responsibilities:

- Coded the Arduino hardware components for optimal performance.
- Developed Python scripts for currency detection and implemented image processing techniques.

Outcome: Ranked in the Top 15 projects of the university for the FALL 2023-24 semester. The device increased navigation accuracy and user independence.

Payroll Management System

Technologies Used: Java, JavaFX, FXML, CSV

Year: 2022 - 2023

Role: Team Lead

Description: Designed and developed a comprehensive payroll management system with a user-friendly GUI.

Responsibilities:

- Led a team of 4 members, ensuring smooth coordination and project completion.
- Developed Admin control functionalities using Java and managed database operations with Apache POI.

Outcome: Successfully deployed the system which improved payroll processing efficiency by 30%.