

JUTURU NAGA ABHINAVA SAI

Bachelor of Technology in Computer Science

Amrita Vishwa Vidyapeetham, Coimbatore

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GitHub Profile

LinkedIn Profile

OBJECTIVE

Dedicated and innovative computer science student with hands-on experience in Java(JDK), C++, Python, and front-end technologies(HTML5,CSS3,JavaScript). Passionate about leveraging technical skills and problem-solving abilities to contribute to forward-thinking software solutions and support the growth of dynamic tech teams. Interested in adding value through creativity, collaboration, and continuous learning while aligning with the objectives of the organization.

EDUCATION

•Amrita Vishwa Vidyapeetham, Coimbatore, Tamilnadu

2023-Present

Bachelor of Technology in Computer Science

CGPA: 7.50

•Narayana Junior College, Hyderabad, Telengana

2023

Board of Intermediate Education, Telengana

Percentage: 97.70%

•RGM International School, Nandyal, AP

2021

Central Board of Secondary Education (CBSE), Andhra Pradesh

Percentage: 96%

ACADEMIC PROJECTS

•Smart String Search Engine

Built a prefix-based string search system using trees and tries that mimics real-time search suggestions.

- Tools & technologies used: C++, Trie, Binary Search Tree
- Improved suggestion accuracy and reduced search latency through efficient traversal and memory optimization.

•Traffic Monitoring Using Computational Intelligence

Built a real-time system for vehicle detection and congestion analysis using deep learning and motion modeling.

- Tools Technologies: Python, OpenCV, YOLOv10n, CNN-inspired Model,GFM
- Implemented accurate vehicle detection and a lightweight CNN-GFM congestion detection model, improving reliability under varying traffic and lighting conditions.

•FitZone

Developed a fitness website offering categorized exercises, nutritional plans, and music integration for workouts.

- Tools & technologies used: HTML, CSS, JavaScript, ElectronJS
- Enabled personalized fitness experiences with exercise filtering, food tracking, and motivational audio support.

•ValueCentric Supply Chain DApp

Developed a blockchain web app for transparent and secure pharmaceutical product tracking using smart contracts.

- Tools & technologies used: Solidity, Remix IDE, Web3.js, MetaMask, HTML, CSS, JavaScript
- Implemented product registration, ownership transfer, and verification features for enhanced supply chain transparency.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, JavaScript, Solidity

Developer Tools: VS Code, Eclipse IDE

Frameworks/Technologies: ElectronJS, MERN Stack

Soft Skills: Communication, Teamwork, Problem-Solving, Adaptability/Flexibility, Leadership, Creativity

Coursework: Coursera – Smart Contracts