

JUTURU NAGA ABHINAVA SAI

Bachelor of Technology in Computer Science
Amrita Vishwa Vidyapeetham, Coimbatore

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[GitHub Profile](#)
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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

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| • Amrita Vishwa Vidyapeetham, Coimbatore, Tamilnadu | <i>Bachelor of Technology in Computer Science</i> | 2023-Present |
| | | CGPA: 7.50 |
| • Narayana Junior College, Hyderabad, Telengana | <i>Board of Intermediate Education, Telengana</i> | 2023 |
| | | Percentage: 97.70% |
| • RGM International School, Nandyal, AP | <i>Central Board of Secondary Education (CBSE), Andhra Pradesh</i> | 2021 |
| | | 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