

# Mudivarthi Venkata Naga Amruth Sai

Bachelor of Technology

Computer Science and Engineering

Kalasalingam Academy of Research and Education, Krishnankoil

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[Amruth-Sai-Mudivarthi](#)

## OBJECTIVE

Dedicated and knowledgeable Computer Science undergraduate with a strong foundation in programming and machine learning. Demonstrates solid problem-solving abilities, a proactive mindset, and proficiency in databases, object-oriented programming, and web development fundamentals. Eager to apply technical skills to real-world projects, contribute meaningfully to development teams, and open to relocation and 24x7 work environments.

## EDUCATION

- Kalasalingam Academy of Research and Education** 2022 - 2026  
Bachelor of Technology in Computer Science and Engineering  
◦ CGPA: 9.76/10.00 VirudhuNagar, T.N
- Municipal Junior College** 2022  
Pre-University Education  
◦ Percentage: 96.6% Nellore, A.P
- V.S.R E.M High School** 2020  
Secondary Education  
◦ Grade: 9.8/10 Nellore, A.P

## PROFESSIONAL EXPERIENCE

- Web Development Lead — Soft Computing Research Society (SCRS) KARE** [🔗](#) September 2024 - Present  
Kalasalingam Academy of Research and Education, Krishnankoil  
Offline  
◦ Designed and maintained the official webpage for SCRS KARE, ensuring clear layout and smooth user experience.  
◦ Led a team of student developers in building modular web components for SCRS event workflows.  
◦ Organized and developed an interactive game for the SCRS Treasure Hunt event, helping manage clues, submissions, and real-time participant engagement.
- Laravel Full Stack Web Development Intern - CAPNIS INFO TECH** [🔗](#) June 2024 - July 2024  
Chennai, Tamil Nadu  
Offline  
◦ Developed a fully functional website clone with integrated backend logic using the Laravel framework.  
◦ Worked with Laravel components such as models, controllers, routes, views for efficient web development.  
◦ Performed single-table and multi-table CRUD operations and implemented database relationships.  
◦ Built both user and admin panels, enabling real-time customization and content management.

## PROJECTS

- Health Companion - Symptom Checker and Fitness Tracker** [🔗](#)  
Personal Project  
◦ Utilized NLP and Deep learning techniques to extract symptoms from user input, predict possible conditions, with confidence scores and alternatives.  
◦ Evaluated daily habits to generate personalized health scores and wellness recommendations.  
◦ Developed an engaging quiz system with instant feedback and explanatory insights to promote health awareness.
- AI-Powered Sleep Pattern Analyzer** [🔗](#)  
Team Project - Pattern and Anomaly Detection  
◦ Implemented a Random Forest Regressor model to predict sleep duration and assess overall sleep quality.  
◦ Delivered personalized recommendations and progress tracking through an interactive, user-friendly interface.  
◦ Integrated a curated knowledge base to educate users on sleep science and healthy habits.
- Rice Leaf Disease Diagnosis Using Custom CNN** [🔗](#)  
Team Project - Community Service Project  
◦ Built a deep learning-based web app using a custom CNN model to classify rice leaf diseases from images.  
◦ Enabled real-time disease prediction with interactive image upload and visual output using Streamlit.  
◦ Provided condition-specific remedies and collected user feedback for continuous improvement.
- SCRS Treasure Hunt Web App** [🔗](#)  
Team Project – SCRS Student Chapter KARE  
◦ Developed an interactive web application for the SCRS Treasure Hunt event to manage clues and user responses.  
◦ Designed a responsive interface for real-time participation and seamless navigation.

## • Abstractive Long-Document Summarizer with Chatbot

Team Project – Natural Language Processing

- Generates abstractive summaries from long PDF, DOCX, and TXT documents using transformer-based models.
- Provides a built-in chatbot to answer user questions based on document content using T5 model.
- Includes sentiment analysis, key phrase extraction, and summary download options for enhanced user interaction.

## • Quick Start Website Clone

Individual Project – Capnis Info Tech Internship

- Cloned the layout and design of a real-world website using HTML, CSS, and JavaScript.
- Integrated the frontend with backend functionality using Laravel, enabling user and admin panel operations.
- Implemented CRUD operations and database connectivity using Laravel and PHPMyAdmin.

## PUBLICATIONS

- MVN Amruth Sai, et al. (2024). **Defective Exhibit Identification Leveraging IoT and Learning Techniques.** Manuscript submitted for publication in *7th International Conference on Communication and Computational Technologies*.

## SKILLS

- **Programming Languages:** Core Java, Python, C, SQL
- **Web Technologies:** Laravel, Bootstrap, Tailwind CSS, Postman
- **Machine Learning:** Supervised and Unsupervised learning, Feature Engineering, Model Evaluation
- **Soft Skills:** Communication, Presentation, Teamwork, Problem-Solving

## ACHIEVEMENTS

- **Gold Medal – Highest grade in CSE AIML (2023-24)** 2023  
Kalasalingam Academy of Research and Education
- **Silver Medal - Student Intern** July 2023  
Capnis Info Tech
- **IEEE RAS Grand Finalist** October 2024  
Kalasalingam Academy of Research and Education
- **ICCCT2025** February 2025  
7th International Conference on Communication and Computational Technologies
- **IEEE Paper Presentation** September 2023  
Kalasalingam Academy of Research and Education
- **Hacker Rank Gold Badge** 2022  
Hacker Rank
- **Prodigy Intern** 2024  
Successfully completed remote internship and gained hands on skills on machine learning techniques

## CERTIFICATIONS

- **Design and Analysis of Algorithms** October 2024  
◦ Completion of the challenging Design and Analysis of Algorithms course at Kalasalingam University
- **ICCCT2025 Certificate of Publication** February 2025  
◦ My participation certificate for participating 7th International Conference on Communication and Computational Technologies which was part of Springer Book Series.
- **ATOM Sympo 3.0 - Virtual Symposium** March 2025  
◦ My participation certificate for participating 7th International Conference on Communication and Computational Technologies which was part of Springer Book Series.
- **CAPNIS Internship Completion Certificate** December 2023  
◦ Gained hands on experience on fullstack Web development using Laravel framework.
- **SCRS Membership Certificate** September 2024  
◦ Soft Computing Research Society - Kalasalingam Academy of Research and Education
- **Oracle Certified Foundations Associate:** December 2023  
◦ Oracle University