

Sreemai Annam

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Education

SR University, Bachelor of Technology in Computer Science Nov 2022 – Apr 2026

- GPA: 8.65/10.0 ([Transcript](#))
- **Coursework:** Computer Architecture, Machine Learning, Data Structures, Design and Analysis of Algorithms, Object Oriented Programming, Operating System, Network Security, Data Mining, C, Python, Java

Experience

AICTE Google Android Developer Virtual Internship ([Certificate](#)) Apr 2024 – June 2024

- Acquired comprehensive knowledge of Android development, including UI/UX design, Kotlin programming, and app lifecycle management.
- Successfully completed the AICTE Generative AI Virtual Internship with a 92% completion rate, demonstrating strong theoretical knowledge and practical application

AICTE Generative Virtual Internship ([Certificate](#)) July 2023 – Sep 2023

- Completed the program with 90% proficiency, highlighting my comprehensive understanding of both foundational and advanced concepts in Generative AI.

Technical Skills

Programming Languages: C, Python, Java, JavaScript, HTML, CSS

Databases: SQL, MongoDB

Technical Skills: Microsoft Office, VS Code

Domain Knowledge: Machine Learning, Data Science, Data Analytics, Full Stack Development

Projects

Global Food Inflation Analysis |PYTHON, SCIKIT-LEARN,XGBOOST ([GitHub](#)) June 2024

- **Analysis:** Conducted an end-to-end analysis of global food price inflation using real-world economic data from 2007 to 2023.**Enhanced data visualization** techniques to clearly communicate findings to non-technical audiences
- **Machine learning models:** Developed and implemented various machine learning models, including Logistic Regression, K-Nearest Neighbors (KNN), Support Vector Machine (SVM), Random Forest, and XGBoost to predict and understand inflation patterns.
- **Performance:** Optimized model performance through hyperparameter tuning, achieving a high accuracy with an R^2 score of 0.964 using the Random Forest Regressor.

Fitness Tracker Application |Python,SQLite,Tkinter,Matplotlib ([GitHub](#)) Dec 2024

- **Launched** core functionalities within the fitness tracking app, including progress monitoring tools; led to an impressive 70% increase in user interaction through engaging visuals paired with actionable insights tailored for individual goals. **Implemented** core features, including **BMI calculation, progress monitoring, and personalized recommendations**, increasing user engagement by 70% through interactive visuals and actionable insights.
- **Designed** an intuitive GUI, improving usability by 60%, catering to diverse user needs with features like daily goal setting, exercise logging, and tailored diet plans.
- **Enhanced user accessibility** through a diet planner offering 50+ meal suggestions and a workout library featuring 30+ routines with YouTube integration for tutorials.

Headache Prediction Based on Lifestyle and Occupation |Python,Seaborn ([GitHub](#)) Nov 2024

- **Designed** a machine learning framework to predict headache risks using lifestyle factors such as sleep duration,

stress levels, and occupation.

- **Preprocessed** a dataset with features like gender, age, BMI, and headache type, ensuring data quality and accuracy through handling missing values and normalization.
- **Implemented** machine learning algorithms, including Recurrent Neural Networks (RNN), Gradient Boosting Machines (GBM), Support Vector Machines (SVM), and k-Nearest Neighbors (kNN).
- Employed **Recurrent Neural Networks (RNN)** for temporal analysis, achieving the highest accuracy 84.44% among tested models, including SVM, KNN, and Gradient Boosting.

Achievements

- Led a team in the B-Tech College Hackathon conducted by SR University and secured a spot in the top 5 teams out of 50+ teams. [\(Certificate\)](#).

Certifications

Theory of Computation(NPTEL)	(Verify)	Sep 2024
Data structure and algorithms (Coursera)	(Verify)	Oct 2023