

# SRUJAN GEEDIPALLI

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## EDUCATION

National Institute of Technology Andhra Pradesh

2021 - 2025

B.Tech in Computer science and Engineering

Sri Chaitanya Junior College

2019 - 2021

Intermediate in MPC - **Percentage - 98%**

## EXPERIENCE

KCIS Lab, IIIT HYDERABAD

JUN 2023 - SEP 2023

**Research Intern**

Hyderabad, India (On-site)

- Developed a high-performing Support Vector Machine (SVM) classifier for accurate stuttering detection and classification.
- Gained expertise in handling speech data, including conversion to spectrograms for machine learning applications.

## PROJECTS

**STUTTERING DETECTION AND CLASSIFICATION** Speech processing, Python, ML

- Performed exploratory data analysis (EDA) on speech data from three stuttering datasets (sep28k, Fluency Bank, UMass).
- Preprocessed data by converting it into spectrograms using Mel-frequency cepstral coefficients (MFCCs).
- Developed a Support Vector Machine (SVM) classifier to detect and classify stuttering events.
- Achieved an accuracy of 85 percent in detecting stuttering events

**CHESSUP** | React.js, Redux, JavaScript, MongoDB, Node.js, Socket.io, Express.js

- Developed a multiplayer end-to-end chess game using ReactJS, Redux, JavaScript, MongoDB, NodeJS, SocketIO, and ExpressJS.
- Features chat windows, surrender requests, draw and rollback options, and replay mode.
- User-friendly front-end and efficient back-end architecture.

**CHECKMEIN** | Kotlin, Python, Flask, Firebase

- Developed an Android application using Kotlin for a facial recognition-based attendance system.
- Implemented state-of-the-art Mobile FaceNet model, achieving 97% recognition accuracy.
- Utilized Kotlin Co-routines for asynchronous processing, enhancing performance and user experience.
- Quantifiably reduced the workload of 30+ faculty members by an estimated 45 minutes per day through automated attendance management.

## TECHNICAL SKILLS

Languages

Coursework

Technologies/Frameworks

**Adept:** Java, **Familiar:** Python, C, C++, JavaScript, SQL

Operating Systems, Web development, DSA, AI, NLP, OOPS.

ReactJS, NodeJS, ExpressJS, MongoDB, MySQL, Linux, GitHub

## ACHIEVEMENTS

- Ranked top 1 percent nationwide in JEE MAINS examination 2021.
- Ranked 16k in the JEE ADVANCED examination 2021.
- Ranked 942 in the TS EAMCET examination 2021.

## EXTRA-CURRICULAR

Graphic Cafe NIT AP

SEP 2023 - JUL 2024

Executive Member

CSE ASSOCIATION NIT AP

AUG 2022 - SEP 2023

Executive Member