

SRIRAM U

Computer Science Student | Aspiring Software Engineer

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OBJECTIVE

Third-year Computer Science Engineering student with a CGPA of 8.4, strong fundamentals in programming, databases, and object-oriented concepts, and practical exposure to machine learning through an internship and academic projects. Seeking an entry-level Software Engineer role to contribute to real-world application development while continuing to build technical and problem-solving skills.

TECHNICAL SKILLS

- Programming Languages: Python, Java, C++, JavaScript, SQL
- Web Development: HTML, CSS, React.js, Node.js, Express.js, MongoDB (MERN Stack)
- Machine Learning / AI: NumPy, Pandas, Scikit-learn, TensorFlow/Keras, OpenCV
- Core Subjects: Data Structures & Algorithms, DBMS, Operating Systems, OOP Concepts
- Tools: Git, GitHub, VS Code, MATLAB, Jupyter Notebook

EDUCATION

Hindustan University of Technology, Chennai

2023 – 2027

B.Tech in Computer Science and Engineering — CGPA: 8.4

AKT Memorial Senior Secondary School, Kallakurichi

- Higher Secondary (Class XII), CBSE — 64.8% (May 2022)
- Secondary (Class X), CBSE — 77.8% (March 2020)

INTERNSHIP EXPERIENCE

Machine Learning Intern — Zero Bug Solutions

Jun 2024 – Jul 2024

- Performed data preprocessing and feature engineering on real-world datasets to prepare inputs for ML models.
- Built and evaluated machine learning models, and collaborated with the team to test and improve model accuracy through iterative tuning.

PROJECTS

Lip Reading & Pronunciation Identification Using Deep Learning | [GitHub](#)

- Developed a real-time system using OpenCV and Dlib to detect and extract lip movements from webcam input.
- Compared user lip patterns against a reference dataset using SSIM to score pronunciation accuracy.
- Designed to support language learning, speech therapy, and assistive communication in noise-sensitive environments.

Offline Signature Verification Using Autoencoder-CNN | [GitHub](#)

- Developed a deep learning pipeline combining Autoencoder-based feature extraction with CNN classification to verify handwritten signatures.
- Preprocessed signature image datasets and achieved high accuracy in forgery detection.
- Implemented a web interface enabling users to upload and verify signatures in real time.

CERTIFICATIONS

- NPTEL — Introduction to MATLAB Programming

AREAS OF INTEREST

Software Engineering • AI & Machine Learning • Data Science • Full-Stack (MERN) Development • Cloud Computing