

A Junior Software Engineer and Computer Science Engineering graduate with a strong foundation in full-stack development, and AI/IoT integration. Proven ability to bridge the gap between hardware and software, highlighted by designing a custom IoT system utilizing Python to analyze student behavioral data. Proficient in Python, SQL, HTML, and CSS. A collaborative team player with excellent communication and event coordination skills, eager to bring a disciplined, problem-solving mindset to a dynamic engineering team.

TECHNICAL SKILLS

- Programming: Python, SQL
- Web Technologies: HTML, CSS, JavaScript, React
- Frameworks: Django
- Tools & Platforms: VS Code, Atom, Git, GitHub, Firebase
- Concepts: Operating Systems, SDLC, DBMS, AI & Machine Learning, IoT Sensor Interfacing
- Testing: Manual Testing, SDLC, STLC, Test Case Writing, Defect Life Cycle (learning)
- DevOps: Git, GitHub, Linux (basic), Docker (learning), Jenkins (learning), CI/CD (learning), VMs.

PROJECTS

EARLY IDENTIFICATION OF LEARNING DISABILITIES USING IoT (MAJOR PROJECT)

GitHub: <https://github.com/900Gang/Real-Time-Identification-Of-Learning-Disabilities-In-Students-Using-AI-And-IoT-.git>

- Interfaced an ESP32 microcontroller with MPU6050 and MAX30100 sensors using I2C communication to gather live physiological telemetry.
- Developed a multimodal Edge-to-Cloud IoT architecture to monitor behavioral and cognitive indicators in real-time and securely streaming the diagnostic data to a Firebase Realtime Database.

AI-DRIVEN CLINICAL SUPPORT FOR HEMATOLOGY SCREENING

GitHub: <https://github.com/900Gang/-HEMATOLOGY-SCREENING-WITH-AI-.git>

- Developed an automated deep learning diagnostic framework to identify and categorize peripheral blood smear abnormalities into four distinct clinical classes: Normal, Anemia, Thalassemia, and Sickle Cell Disease.

CERTIFICATIONS

- Python For Data Science - NPTEL
- Python Bootcamp - Udemy
- Basic to Advanced-SQL - Skill Nation

EDUCATION

BACHELOR OF TECHNOLOGY (B.TECH) IN COMPUTER SCIENCE

- College of Engineering, Muttathara | 2022 - 2026
- Score: 6.82 CGPA
- Relevant Coursework: Data Structures, Operating Systems, Database Management Systems, Computer Networks, Python, Data Mining, Software Testing, Soft Computing.

HIGHER SECONDARY EDUCATION (CLASS XII)

- SREE NARAYANA GURU HIGHER SECONDARY SCHOOL | 2018-2020
- Score: 8.8 CGPA

SECONDARY EDUCATION (CLASS X)

- SREE NARAYANA PUBLIC SCHOOL | 2018 - 2019
- Score: 8.2 CGPA

CORE COMPETENCIES

- Effective communication
- Team collaboration
- Adaptability
- Time management
- Consistency and a disciplined approach to learning.