

Jilla Kirthan

Warangal, Telangana

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Profile Summary

This is Jilla Kirthan. I'm currently pursuing Bachelor of Technology degree in Computer Science Engineering with specialization of AIML (Artificial Intelligence and Machine Learning) at SR University, Warangal, I am a Web developer who is passionate about building high-quality and scalable software solutions. I am proficient in languages such as Python and HTML/CSS, JavaScript. I am eager to start my career as a software development engineer and make a positive impact in the tech industry. I am a quick learner and always willing to take on new challenges. I am confident that my passion for technology, and my domain expertise in Web development make me an ideal candidate for software development roles

Education

SR University

2022-2026

Bachelor Of Technology in Computer Science - **CGPA: 8.84**

Warangal, India

Internship Experience

Full-stack Developers Intern – TEACH NOOK [\[Link\]](#)

- Worked on the RHYNO project involving both frontend and backend development
- Utilized HTML, CSS, and JavaScript to design user interfaces and integrate backend services.

Projects Experience

Fun-Filled MP3 Player for Endless Entertainment-IoT-Arduino Uno, Arduino Ide [\[Link\]](#)

- Created a fully Homemade CNC using Arduino and DC motors with close loop control by Hemifaces, DC motor control using Arduino and H-Bridge, within 4weeks.

Blood bank Management System – C Programming [\[Link\]](#)

- Developed a system with secure login/registration for efficient blood donor/receiver management.
- Designed user interface and data handling logic in C programming project duration 7 weeks.

Medical Image Analysis – Pneumonia Detection using CNN [\[Link\]](#)

- Built a CNN model to classify chest X-rays into pneumonia and normal classes using a dataset.
- Applied preprocessing, augmentation, and evaluated with accuracy, F1-score, and ROC-AUC metrics.

Text Recognition from Images – OCR [\[Link\]](#)

- Built a Python-based OCR tool using EasyOCR and OpenCV for accurate text extraction from diverse image types.
- Improved results through preprocessing techniques like noise reduction, thresholding, and overlaying detected text regions.

Smart Water Purification System – IoT, pH Sensor, Microcontroller [\[Link\]](#)

- Designed and implemented a real-time water quality monitoring system with automatic purification control. Integrated IoT for remote monitoring and alerts to ensure safe and clean water supply.

Technical Skills

- **Languages:** C, Java, Python, HTML CSS, SQL, AI, ML
- **Technologies/Frameworks:** JavaScript
- **Tool:** Visual Studio Code, DevC++

Extracurricular / Certifications

- Web Development [\[Link\]](#)
- Python for Data Science [\[Link\]](#)
- Introduction to Databases [\[Link\]](#)
- Data preprocessing & data mining [\[Link\]](#)
- Data Structures and Algorithms [\[Link\]](#)
- Introduction to OpenAI GPT4 [\[Link\]](#)