

MARABOINA SAI SRUTHI

Fourth Year Undergraduate
Electrical Engineering
Indian Institute of Technology, Mandi

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EDUCATIONAL QUALIFICATIONS

Indian Institute of Technology, Mandi

B.Tech, Electrical Engineering, CGPA: 7.95/10.00

Narayana Junior College, Hyderabad

State Board, Class - XII, Percentage: 96.00%

Himachal Pradesh, India

Nov 2021 - Present

Telangana, India

May 2019 - March 2021

WORK EXPERIENCE

Interext Technologies Pvt Ltd

June 2024 - July 2024

Research Intern

Remote : 2 Months

- During my internship, I contributed to two AI-driven projects: **CatVision** and **SABA Chatbot**. I developed a POC for **CatVision**, optimizing vendor catalog processing and enhancing inventory data extraction.
- For the **SABA Chatbot**, I automated ETL transformations by RAG framework to improve user experience and platform efficiency. My work was recognized for its innovation and impact, and I strengthened my skills in Gen Vision AI, Python ETL development, Object Detection, RESTful APIs, and PDF data extraction.

Suvidha Foundation(Suvidha Mahila Mandal)

June 2024

Web Development Intern

Part time : 1month

- Developed front-end web solutions using HTML, CSS, and JavaScript. Implemented features such as a donation system, event calendar, and testimonial slider to improve user engagement.
- Collaborated on designing responsive web pages that support Suvidha Foundation's mission of empowering women through education and community programs.

SKILLS

- **Programming Languages:** C++, C#, Python
- **Web & Ai Technologies:** HTML, CSS, Javascript, Flask, PHP, Node.js, OpenAi, LangChain
- **Database :** MySQL, MongoDB, Chroma,
- **Other :** Linux, Unity, Git, Simulink, Vivado, Anaconda, VS Code, Matlab, Verilog

RELEVANT COURSES

- **ML and Data science:** Probability and Statistics, Data-science, Advance Deep Learning
- **Computers:** Data Structures and Algorithms, Computer Organization, Databases and Management Systems.

PROJECTS

Blogify

Node.js, Express.js, Reactjs MongoDB

- Developed a full-stack blog platform with React for the UI, secured with JWT authentication, and Node.js/Express for RESTful API handling CRUD operations. Utilized MongoDB with Mongoose for data storage, implementing JWT-based authentication for secure access to blog content.

VineNet

Yamaha Hackathon -Apr 2024

- Engineered an advanced deep learning model using U-Net architecture to achieve precise segmentation of grape bunches in high-resolution vineyard images, significantly enhancing management with pixel-level accuracy.
- Resulted in superior performance metrics: 86% Precision, 81% Recall, and 71% Mean IoU. Optimized model training with TensorFlow, employing Binary Cross-Entropy loss, Adam optimizer

ACHIEVEMENTS / POSITIONS

- Selected for **Amazon ML Summer School 2024**. Top **3000** across India for advanced ML and AI training.
- **C++ Gold Star, CSS, Java, and Software Engineer Intern** certifications on HackerRank.
- Achieved **1st place** in Yamaha AI Innovation 3.0 **Hackathon**.
- **Open Source Contributor**, GirlScript Summer of Code 2024: Secured **top 1%**, earned **6/8 badges**, and won a free **.xyz domain**.
- **Postman API Fundamentals Student Expert** Certification.
- **Internshala Student Partner:** Represented the platform and engaged students.
- Qualified for **Regional Mathematical Olympiad**, advancing toward the international selection process.