

KATARI SOHAN PRABHAS

Objective

Final-year CSE student specializing in IoT with hands-on experience in React, JavaScript, and Node.js. Passionate about building full-stack applications and delivering scalable web solutions. Eager to contribute to Turtil with a strong foundation in modern web development and real-world project experience.

Education

B.Tech in Computer Science and Engineering (IoT Specialization)

Ramachandra College of Engineering, Eluru, Andhra Pradesh
August 2022 – May 2026 (Expected) percentage: 75.15%

Intermediate (MPC)

Narayana Junior College, Eluru, Andhra Pradesh
June 2020 – March 2022 percentage: 71%

Secondary School Certificate (SSC)

Narayana High School, Eluru, Andhra Pradesh
June 2019 – March 2020 percentage: 99%

Internship

Software Engineering Intern – Turtil

May2025 - June2025

- Developed a Resume Scoring Microservice using FastAPI and scikit-learn to evaluate resumes based on job-specific skills using ML and TF-IDF techniques.
- Built and deployed APIs to return real-time match scores, integrated Docker for containerization, and ensured smooth, scalable deployment.
- Gained hands-on experience in ML model integration, backend API development, testing, and microservice architecture in a real-world scenario.

Embedded System Developer – Microchip Technology

July 2024 – September 2024

- Developed and tuned machine learning models for practical use.
- Used Python, TensorFlow, and AI libraries to improve model performance..

AI/ML Developer Intern – Google for Developers

April 2024 – June 2024

- I gained hands-on experience in PCB design, sensor integration, and firmware development while effectively troubleshooting hardware-software integration challenges to optimize system efficiency.

Projects

Resume Scoring Microservice

- Built a Resume Scoring Microservice using FastAPI and scikit-learn to evaluate resumes with real-time match scoring based on job-specific skills.
- Gained hands-on experience in ML model integration, TF-IDF, Docker deployment, and building scalable REST APIs.

EcoFarm – IoT Enhanced Crop Planning System

Jan 2024 – Mar 2024 | Academic Project

Tech Stack: Arduino, NodeMCU, Soil Moisture Sensor, DHT11, Firebase, Python

- Developed a smart farming solution using IoT sensors to monitor soil moisture and temperature.
- Reduced manual monitoring by 60% and enhanced crop selection accuracy.

Contact

Phone: +91 6305181379
Email:sohannaidu040@gmail.com
GitHub:
<https://github.com/Sohanprabhas>
LinkedIn:
<https://www.linkedin.com/in/katari-sohan-prabhas-834a821aa/>
Portfolio: <https://22me1a4925-project1.netlify.app/>

Skills

- **Programming Languages:** Python, Java, C, JavaScript
- **Frontend:** HTML, CSS, React, Tailwind CSS
- **Backend:** Node.js, FastAPI
- **Machine Learning:** scikit-learn, TensorFlow, TF-IDF, joblib
- **Tools & Technologies:** Git, GitHub, Docker, Firebase, VS Code
- **Core Concepts:** REST APIs, Microservices, Version Control, Model Deployment

Certification/Short Courses

- Web Development course with live project
- Sql-basic to advance
- Introduction to html
- Certified System Administrator(Servicenow)
- Programming for everybody
- Canva Blueprint
- ChatGPT Masterclass

Achievements & Activities

- Gold Medal: Intra College Volleyball Championship, 2022,2023,2024
- Engaged in an Industrial IoT workshop on Raspberry Pi, gaining hands-on experience in IoT applications.
- Led the development of a real-time Weather App using JavaScript and OpenWeatherMap API with a team of 4.
- Recognized for strong communication and teamwork during Turtil internship with successful delivery of assigned modules