

# KATARI SOHAN PRABHAS

## Career Objective

Final-year B.Tech CSE student specializing in IoT with strong skills in React, JavaScript, Node.js, and cloud technologies. Passionate about building scalable full-stack applications and eager to contribute as an Associate Product Engineer by applying strong problem-solving skills, solid CS fundamentals, and real-world project experience.

## Education

## B.Tech in Computer Science and Engineering

Ramachandra College of Engineering, Eluru, Andhra Pradesh

August 2022 – May 2026 (Expected)

Percentage: 74.15%

### Intermediate (MPC)

Narayana Junior College, Eluru, Andhra Pradesh

June 2020 – March 2022

Percentage: 71.00%

## Secondary School Certificate (SSC)

Narayana High School, Eluru, Andhra Pradesh

June 2019 – March 2020

Percentage: 99.00%

## Internship

## Software Engineering Intern – Turtl

May 2025 - June 2025

- Designed & deployed a resume scoring microservice using FastAPI & scikit-learn.
- Integrated Docker for containerization, reducing deployment time by 30% and ensuring seamless scalability.

## 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.

## Cloud Computing Intern - Smarted

February 2025 - April 2025

- Worked on cloud architecture, service models, and deployment strategies.
- Learned serverless, deployment, and scalability concepts

## Projects

## Resume Scoring Microservice | FastAPI, scikit-learn, Docker, TF-IDF

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

## EcoFarm – IoT Enhanced Crop Planning System

**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

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## GitHub:

<https://github.com/Sohanprabhas>

**LinkedIn:**

<https://www.linkedin.com/in/katari-sohan-prabhas-834a821aa/>

## Portfolio:

<https://prabhas-portfolio.vercel.app/>

## Skills

- **Programming Languages:** Python, Java, C, JavaScript, SQL
- **Frontend:** HTML, CSS, React, Tailwind CSS
- **Backend:** Node.js, FastAPI
- **Databases :** MySQL, Firebase, SQL Queries
- **Tools & Technologies:** Git, GitHub, Docker, VS Code
- **Core Concepts:** REST APIs, Microservices, Version Control, Model Deployment, OOP

## Certification/Short Courses

- Web Development course with live project
- Sql-Basic to advance
- Certified Application Developer(Servicenow)
- Certified System Administrator(Servicenow)
- Cloud Computing
- ChatGPT Masterclass

## Achievements & Activities

- Won Gold Medal in Intra College Volleyball Championship (2022–2024).
- GSSoC 2025 Contributor – improved features and responsiveness in a live project.
- Industrial IoT workshop on Raspberry Pi – hands-on IoT applications.
- Led development of real-time Weather App (JavaScript, OpenWeatherMap API).
- Recognized for communication and teamwork during Turtill internship.