

MAAHASARATHY SB

Student

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in Maahasarathy MAAHASARATHY 19-11-2003

CAREER OBJECTIVE

- Aspiring DevOps Engineer with a solid foundation in programming, version control, and web development. Strong interest in automation, CI/CD pipelines, containerization, and cloud infrastructure. Seeking an entry-level DevOps role to contribute to efficient software delivery and continuous improvement processes in a collaborative, fast-paced environment.

INTERNSHIP

Embedded Engineer Intern

Embuzz Technologies

June 2023 – July 2023

- Gained hands-on experience with various sensors, understanding their integration and application in embedded systems.
- Developed proficiency in embedded engineering techniques, contributing to sensor-based project implementations.

Web Developer Intern

Interns Elite

July 2023 – September 2023

- Designed and developed a plumbing website using Bootstrap 4 with a very responsive and clean UI and decent User Experience.
- After publishing the website, the customer base grew by 60% in the subsequent month.

PROJECTS

Final Year Project – Smart Pre-Stroke Detection System Using ML and IoT

tech used: esp8266 nodemcu, max30100, dht11, knn, thingspeak, arduino ide, python

Jan 2025– Apr2025

- Developed a wearable IoT device using ESP8266 and sensors to monitor SpO₂, heart rate, temperature, and motion, with real-time data displayed on LCD and ThingSpeak cloud.
- Implemented K-Nearest Neighbors (KNN) for stroke risk classification and integrated a local web dashboard for real-time monitoring with low-power operation.

CI/CD Pipeline Automation for Portfolio Deployment

github actions, docker, bash, html/css

March 2025

- Developed a CI/CD pipeline using GitHub Actions and YAML to automate the build, test, and deployment process for a personal portfolio.
- Containerized the project using Docker for isolated, portable deployment and implemented auto-deployment to GitHub Pages.

EDUCATION

B.E in Electronics And Communication Engineering

Kgisl Institute Of Technology

November 2021 – May 2025 CGPA: 6.98

Higher Secondary School Certificate

Swathanthra Higher Secondary School

June 2020 – May 2021 Percentage: 82%

Secondary School Leaving Certificate

Sree Narayana Mission Matriculation School

June 2019 Percentage: 73.8%

TECHNICAL SKILLS

Python bash Git,Github Docker
kubernetes Embedded c sql
power bi CI/CD concepts AWS
AZURE

SOFT SKILLS

Time management Emotional management Adaptability

ACHIEVEMENTS

- Provided mentorship to over 100 junior students during Py Expo, delivering in-depth guidance on Python programming and IoT project development. 2024

PARTICIPATION

- Smart India Hackathon - KGISL 2023
- Event Mentor in Py Expo - KGISL 2023
- Participated in Py Expo 2021

CERTIFICATION

- Meta Back-End Developer Professional Certificate – Coursera
- Machine Learning in Production – Coursera
- 100 Days of Code: The Complete Python Pro Bootcamp - Udemy
- Introduction to Cybersecurity Tools and Cyber Attacks – IBM