

# SUDEESH K

Computer Science Engineering student

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🔗 Profession Portfolio

## 📄 SUMMARY

Motivated Computer Science Engineering student with a strong foundation in **Full Stack Development** and **DevOps methodologies**. Proven track record in building **AI-integrated monitoring systems** and secure **web applications using the MERN stack**. Passionate about leveraging **cloud technologies** and **algorithmic problem-solving** to create efficient, scalable solutions. Eager to contribute technical expertise and innovative thinking to a dynamic engineering team.

## 🛠 WORK EXPERIENCE

### CENTRE OF EXCELLENCE (COE)

11/2025 | CIT, Chennai

CLOUD Intern (Project: Custom Dashboard Generator)

- Developed a novel **"Custom Dashboard Generator"** integrating host-level Windows metrics with containerized analysis tools.
- Engineered an AI-Powered Predictive Maintenance system using Python (Facebook Prophet) to forecast system trends and generate alerts for CPU saturation and disk usage.
- Orchestrated a full-stack monitoring environment using Prometheus, Grafana, and Docker, ensuring seamless portability.
- Created an automated "One-Click" deployment script to streamline the installation of Windows services and container environments.

### GOOGLE IOT CLOUD (VIRTUAL)

09/2025

IoT Cloud Engineering Intern

- Gained practical experience in architecting IoT solutions using Cloud platforms.
- Simulated device-to-cloud communication and managed data flow for scalable IoT applications.
- Analyzed cloud security protocols to ensure safe data transmission between edge devices and the cloud.

### GOOGLE AI-ML (VIRTUAL)

12/2025

AI-ML Intern by EDUSKILL (Cohort 14)

- Participated in an intensive cohort focused on Artificial Intelligence and Machine Learning technologies powered by Google.
- Applied machine learning algorithms to solve real-world data problems and optimized model accuracy.
- Gained hands-on proficiency in TensorFlow and data processing pipelines.

## 🎓 EDUCATION

### CHENNAI INSTITUTE OF TECHNOLOGY

2024 | Chennai, India

Bachelor of Engineering (B.E.) in Computer Science Engineering

CGPA: 7.8

Key Coursework: Data Structures, Algorithms, Operating Systems, Database Management.

Achievements: Secured First Prize in Zone-Level Chess Competition (School Level).

## 🧠 TECHNICAL SKILLS

### Programming Languages

Python, C, C++, JavaScript.

### Cloud & AI

Google Cloud Platform (Basics), AI Time-series Forecasting (Facebook Prophet).

### Web Development

MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML5, CSS3.

### Problem Solving

Solved 480+ Data Structure and Algorithm problems on LeetCode.

### DevOps & Tools

Docker, Prometheus, Grafana, Windows Exporter, Git/GitHub.