

BY RAKSHITHA

Engineer

Contact

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Karnataka, India

Skills

C

Python

Java

Education

J.S.S. ACADEMY OF TECHNICAL EDUCATION BANGALORE Present
ENGINEERING

Vidyaniketan Public School
12TH/PUC

May 2020 - Aug 2021

Vidyaniketan Public School
10TH

Jun 2018 - Apr 2019

Work Experience

InternPe

Feb 2025 - Mar 2025

Internship

The certificate validates that BY Rakshitha did an internship at InternPe from 03-February-2025 to 02-March-2025 in the field of Java Programming. The intern was praised for being genuine, committed, and having excellent job skills.

Java Programming

Professional attitude

Job knowledge

Dedication and sincerity

Projects

JSS Academy of Technical Education (JSSATE) Feb 2025 - Present

INTELLIBOARD: AI-Powered Smart Hoarding for Real-Time Urban Insights

The project entails the design of a Smart Digital Hoarding Board that incorporates IoT sensors, AI analytics, and cloud computing to measure and display real-time air quality, noise pollution, traffic density, and offer public alerts and emergency updates. It is intended to improve urban life by providing real-time environmental information through dynamic information dissemination platforms toward contributing to smart city endeavors.

IoT

Sensor Integration

Cloud Computing

Machine Learning

Web Development

Data Visualization and Real-time Monitoring

Hardware Prototyping

JSSATEB

Sep 2024 - Jan 2025

AI-Enhanced Kernel for Dynamic Resource Management

Created an AI-enhanced Linux kernel for real-time resource distribution in virtual environments. Used a random forest model to forecast and optimize CPU and memory usage dynamically, minimizing resource waste and boosting system stability. Incorporated control groups (cgroups) and the psutil library for live system

monitoring. Reached 99.34% accuracy in resource prediction, showing notable gains in efficiency.

- Machine Learning
- Operating Systems
- Visual Studio Code
- Problem Solving
- Team Collaboration

Certifications

Infosys Springboard Introduction to Artificial Intelligence	Dec 2024 - Dec 2024
Infosys Springboard Data Structures and Algorithms using Java	Jul 2024 - Jul 2024
Great Learning Academy Front End Development (HTML)	May 2024 - May 2024
Great Learning Academy C for Beginners	May 2024 - May 2024