SHAKTHI KALYAN S
M.Tech. Integrated - Computer Science & Engineering
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BRIEF SUMMARY

I am a motivated and results-driven individual pursuing a M.Tech in Computer Science Engineering with a focus on AI and ML. I have gained hands-on experience in Python development during my internship, where I worked on designing robust backend systems, integrating APIs, and optimizing performance. I am passionate about leveraging technology to solve real-world challenges and am particularly interested in building scalable and efficient solutions in areas like AI-driven automation, safety systems, and IoT applications. I aim to contribute my technical skills and innovative mindset to an organization, while continuing to learn, grow, and align my goals with the company's vision.

KEY EXPERTISE

Software Engineering   Software Development   Machine Learning   Artificial Intelligence

EDUCATION

Sri Krishna College of Engineering and Technology   2021 - 2026
M.Tech. Integrated - Computer Science & Engineering | CGPA: **8.41 / 10**

Sri Krishna College of Engineering and Technology   2021 - 2026
M.Tech. - Computer Science & Engineering (Full Time) | CGPA : **8.41 / 10**

Adwaith GNS Matric Hr Sec School   2021
12th | State Board | Percentage: **93.05 / 100**

Adwaith GNS Hr Sec School   2019
10th | State Board | Percentage: **92.20 / 100**

INTERNSHIPS

Techplement | IT Product & Services   01 Dec, 2024 - Present
Python Developer

Key Skills: API   Python   Web API   Automation   Project Management Skills   PostgreSQL   Django

As a Python Developer Intern, I contributed to designing and developing robust backend systems and solutions. My responsibilities included writing efficient, scalable, and reusable Python code for project requirements, debugging, and enhancing existing modules, and collaborating with team members to implement features and optimize performance. I gained hands-on experience in integrating APIs, working with databases, and ensuring code quality through thorough testing and adherence to best practices. This internship enhanced my problem-solving skills and deepened my understanding of backend development principles.

PROJECTS

Predictive Asset Management System   01 Dec, 2023 - 15 Mar, 2024

Key Skills: Python   Django   Scikit-Learn   Machine Learning   SQLite   Javascript

• Developed a predictive maintenance system utilizing Machine Learning (ML) algorithms to forecast equipment failures in the construction industry. This reduced the manual effort by 100%.
• Supported the backend logic implementation using the Django framework, integrated machine learning models for predictive analytics, and 5+ third-party integrations for data visualization.
• Outperformed existing methods with increased accuracy by 45%,resulting in improved project timelines and cost savings by 70%

Dashboard for Real-Time Monitoring of Construction Projects   12 Oct, 2023 - 10 Dec, 2023

Key Skills: Python   Django   Artificial Intelligence   PostgreSQL

• Developed a comprehensive dashboard using Django backend technology to provide real-time insights and analytics for project management.
• Developed WebSocket consumers in Django to handle real-time updates for task status changes,resource allocation updates, and interactive visualization for enhanced data comprehension, which allowed users to manage over 500

tasks simultaneously.
• Achieved an 85 % reduction in project turnaround time, and improvised project efficiency,resulting in streamlined decision-making processes and minimized delays.
• Decreased project costs by 30% through better financial management and cost control.

ACHIEVEMENTS

- Smart India Hackathon 2023 Grand Finalist
- PSG Kriya Hackathon 2024 Runner-up

ASSESSMENTS / CERTIFICATIONS

Machine Learning with Python

Key Skills: Machine Learning   Artificial Intelligence   Neural Networks   Algorithms   Classification   Python

Cyber Security Introduction

Key Skills: Penetration Testing   Firewalls   Network Security   Data Security   Cyber Security

Data Analytics

Key Skills: Data Analysis   Data Cleaning   Data Visualization   Microsoft Excel   R   Power BI   Tableau   SQL

SEMINARS / TRAININGS / WORKSHOPS

TCS Bootcamp Institute Name: Sri Krishna College of Engineering & Technology   20 Sep, 2024 - 22 Sep, 2024

Key Skills: ReactJS   Web Development   Web API   Javascript   Node.js   Express.js

Data Analytics   28 Apr, 2024 - 28 Apr, 2024
Institute Name: Tech Tip 24

Key Skills: Data Visualization   Power BI   Tableau   SQL   Microsoft Excel   Big Data   Data Analysis

EXTRA CURRICULAR ACTIVITIES

- Photography

IMs

- Other - https://www.linkedin.com/in/shakthi-kalyan-s-1b4734279/
- Other - https://github.com/shakthikalyan

PERSONAL DETAILS

Gender: Male
Marital Status: Single
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Known Languages:
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