

G.TEJA KARTHIK

COMPUTER SCIENCE INTERN

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CARRIER OBJECTIVE

Results-oriented Engineering Executive with a proven track record of optimizing project outcomes. Skilled in strategic project management and team leadership. Seeking a challenging executive role to leverage technical expertise and drive engineering excellence.

WORK EXPERIENCE

Project Engineer, MIT square Malaysia

Nov 2024 - Present

- Managed project timelines, reducing delivery times by 30%.
- Spearheaded the adoption of cutting-edge engineering software, improving project accuracy by 15%.
- Collaborated with cross-functional teams, enhancing project success rates by 10%.

Web developer, Virinchi Technologies

Mar 2024 - Jun 2024

- Designed and implemented RESTful APIs with Node.js and Express, enabling seamless data integration across multiple platforms.
- Collaborated with designers and stakeholders to create a new e-commerce platform, boosting online sales by 40%.
- Optimized website performance, achieving a Google PageSpeed Insights score of 95+ through effective use of lazy loading and code splitting.

java developer, Virinchi Technologies

Mar 2024 - Jun 2024

- Designed and implemented scalable microservices architecture using Spring Boot and Hibernate, reducing application response time by 25%.
 - Developed and deployed secure RESTful APIs for customer and payment data integration, enhancing system interoperability.
 - Led a team of 5 developers to modernize a legacy monolithic application to a cloud-based microservices architecture, improving deployment efficiency by 30%.
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PROJECTS

Carbon Emission Prediction In Vehicles

To develop a robust machine learning model for accurate carbon emission prediction from vehicles, leveraging historical data and real-time sensor information, with the aim of reducing environmental impact and promoting sustainable transportation practices

Live Human Emotion Detection Using Deep learning

Facial detection, landmark detection, gender classification and emotion recognition, based on visual appearances have great potential for real-world applications such as automatic cosmetics, entertainment, human-app interaction, advertisement promotion etc. In this project, we focus on building a Convolutional Neural Network model using Keras for live emotion classification from image inputs. The objective of the project is to detect facial expression using image dataset. Convolutional Neural Network is used to classify the images. The output class consists of 7 different types namely angry, disgust, fear, happy, neutral, sad, surprise.

Heart Disease Prediction using machine learning

This project predicts people with cardiovascular disease by extracting the patient medical history that leads to a fatal heart disease from a dataset that includes patients' medical history such as chest pain, sugar level, blood pressure, etc.

RUMI - AI driven learning dashboard

A Learning Dashboard with AI is a data-driven platform that uses artificial intelligence to personalize learning experiences. It analyzes user progress, preferences, and performance to recommend tailored resources, detect learning gaps, and predict outcomes. AI-driven insights enhance engagement, enabling adaptive and efficient learning paths.

Digital wallet

An Insurance Digital Wallet powered by AI securely manages policy documents, claims, and premium payments in one platform. AI automates policy recommendations, tracks due dates, and provides real-time risk analysis. This enhances user experience with personalized insights and seamless claim processing.

EDUCATION

Bachelor of Engineering in Computer science

Sep 2022 - Oct 2026

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

- Specialization in Artificial Intelligence and Machine learning
- Thesis on "Innovations in Sustainable Engineering Practices".

Higher Secondary Certificate (State Board)

Jun 2020 - Aug 2022

Shri Shiridi Sai Junior College, rajahmundry

Secondary School Leaving Certificate

April-2019

sri chaitanya techno school

STRENGTHS AND EXPERTISE

- P&L Management
- Financial Reporting
- Team Leadership
- Business Development
- Negotiation Skills
- Communication
- Strategic Planning
- Client Relationship Management
- Operations Management

PROGRAMMING SKILLS

- PYTHON
- DevOps and Cloud Skills
- Machine learning
- JAVA
- C/C++
- Deep learning
- JAVASCRIPT/TYPESCRIPT
- SQL/MONGO DB

ADDITIONAL INFORMATION

- **Technical Skills:** Project Management, Structural Analysis, Robotics and Automation, CAD
- **Languages:** English, Malay, Telugu,Hindi
- **Certifications:** Professional Engineer NPTEL, Project Management Professional (PMP) NPTEL
- **Awards/Activities:** Received the "Engineering Excellence" Award for outstanding contributions to project innovation in sathyabama university