

# G.TEJA KARTHIK

COMPUTER SCIENCE INTERN

## PORTFOLIO

<https://tejakarthik.vercel.app/>

📍 Chennai, India

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🔗 <https://github.com/Imtejakarthik>

## EDUCATION

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

May 2026

**Bachelor of Engineering in Computer science [Specialization in Artificial Intelligence and Machine learning ]**

**GPA: 7.6/10**

Shri Shiridi Sai Junior College

March 2022

**Higher Secondary Certificate (State Board)**

**%: 86**

Sri Chaitanya techno school

April 2020

**Secondary School (State Board)**

**%: 100**

## 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%.

## 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.

### 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.

### Kindle to Notion

Developed a NodeJS application that seamlessly synchronizes highlights captured on a Kindle e-reader with Notion, my preferred productivity management app. Implemented an efficient incremental sync mechanism, eliminating the need for re-syncing old highlights. Containerized the application using Docker and established a CICD pipeline to build and push a new image every time the application is modified. Leveraged GitHub Actions to automate syncing of highlights whenever updates are made. Proactively fostered a community of developers who actively contribute to the project, enabling continuous improvement and growth.

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## STRENGTHS AND EXPERTISE

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

## PROGRAMMING SKILLS

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

## 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
- **Conducting in-depth research on Generative AI to explore its advancements, applications, and future potential.**