

E S JAI AKASH

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Education

VIT-AP University, B.Tech in Computer Science	June 2022
CGPA: 8.98	
Grace International Senior Secondary School, Class XII	March 2019
Percentage: 91.4%	
The Bharathi Vidya Bhavan, Class X	March 2017
Percentage: 91.6%	

Relevant Coursework

- Data Structures and Algorithms, Object-Oriented Programming, Database Systems, AI and Cloud Computing
- AWS Solution Architecture, Full-Stack Development, Operating Systems, Machine Learning, Computer Networks

Experience

AI-Driven Personalized Healthcare Platform	2025
<ul style="list-style-type: none">• Developed an AI-powered healthcare system integrating wearables, chatbots, and blockchain for secure patient data storage.• Developed and optimized a real-time Heart AI app using TensorFlow and Flask, enhancing heart health monitoring efficiency by integrating it into wearable devices.• Implemented an AI chatbot for symptom analysis and patient interaction.• Technologies: TensorFlow, Flask, React, PostgreSQL, Blockchain.	
Smart University Bus Transport System	2024
<ul style="list-style-type: none">• Engineered an IoT-based university transport system with GPS tracking, reducing average student waiting time by 30%.• Developed a QR code-based attendance system for seamless check-ins and automated trip logs.• Centralized complaints and feedback via a digital portal, improving student satisfaction by 20%.• Technologies: IoT, GPS, QR Code, Database Management.	
Inventory Management System	2024
<ul style="list-style-type: none">• Built a web-based inventory tracking system with real-time stock monitoring, improving efficiency by 50%.• Designed a dashboard with predictive analytics, minimizing overstock and shortages.• Optimized UI/UX for better accessibility, reducing user navigation time by 25%.• Technologies: HTML, CSS, JavaScript, Node.js.	

Research Papers

Intrusion Detection Management	In Progress
<ul style="list-style-type: none">• Researching and implementing machine-learning techniques for detecting cyber intrusions in real-time environments.• Evaluating anomaly detection models to reduce false positive rates.	
Image Captioning in Tamil	In Progress
<ul style="list-style-type: none">• Developing an AI model for generating accurate Tamil-language image captions using deep learning and NLP.• Optimizing transformer-based architectures for low-resource language processing.	

Achievements and Certifications

- **LeetCode:** 600+ problems solved, 365-day streak badge.
- **CodeChef:** 200+ problems solved.
- **Certified MERN Stack Developer**, Simplilearn.
- **Kaggle:** 1-year active badge with ML competition participation.

Technical Skills

Programming Languages: Python, Java, C, SQL, JavaScript
Web Technologies: HTML, CSS, Node.js, React, Express.js, Flask, MERN Stack
AI/Cloud: TensorFlow, , AWS Solution Architecture, REST APIs
Developer Tools: Git, Docker, Linux