

Nune Sri Pavan Charan

MERN Developer | AI/ML Enthusiast

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LinkedIn | GitHub | Portfolio

SUMMARY

Computer Science student passionate about full-stack development using the MERN stack and AI/ML technologies. Experienced in building and deploying responsive web applications and real-time AI solutions. Skilled in React.js, Node.js, MongoDB, Express.js, TensorFlow, and Scikit-learn. Seeking opportunities to create impactful, scalable software solutions.

EDUCATION

Rajiv Gandhi University of Knowledge and Technologies , Ongole	2022 – 2026
B.Tech in Computer Science and Engineering, CGPA: 8.95	
Pre-University Course (PUC) , RGUKT Ongole	2021 – 2022
CGPA: 9.75	
Kerala High School , Ongole	2019 – 2020
Marks: 595 / 600	

TECHNICAL SKILLS

Frontend:	HTML, CSS, JavaScript, React.js, Bootstrap
Backend:	Node.js, Express.js
Programming:	Python, C
Databases:	MongoDB, SQL
Machine Learning:	TensorFlow, Scikit-learn, YOLOv8, NLP, Predictive Modeling
Tools:	Git, GitHub, VS Code, OpenCV

EXPERIENCE

AI/ML Intern	APSCHE SmartBridge (Jun 2023 – Aug 2023, Virtual)
• Developed and optimized machine learning models using Python, TensorFlow, and Scikit-learn for predictive analytics.	
• Implemented data preprocessing pipelines, cross-validation, and hyperparameter tuning to enhance accuracy.	
• Collaborated remotely to deliver insights from real-world datasets for classification tasks.	
Frontend Web Development Intern	ShadowFox (Jan 2023 – Mar 2023, Remote)
• Designed and developed responsive UI components using React.js, HTML, CSS, and JavaScript.	
• Worked in agile teams using Git and version control for collaborative development.	

PROJECTS

- **E-Commerce Website (React.js + Product API)** — Developed a full-stack e-commerce platform with authentication, cart management, and product filtering. Enhanced performance with API optimization, lazy loading, and responsive design using React.js.
- **Tourist Website (MERN Stack)** — Designed and implemented a full-stack tourism web application using React.js, Node.js, Express.js, and MongoDB. Integrated APIs for destination data, authentication, and booking management to enhance user experience and scalability.
- **Traffic Intelligence — Traffic Volume Estimation (YOLOv8, OpenCV)** — Engineered an ML-based traffic monitoring system that detects and counts vehicles from live video feeds. Leveraged YOLOv8 and OpenCV for real-time analytics to aid urban traffic management.
- **Virtual Assistant (Python, NLP)** — Built a voice-controlled assistant integrating speech recognition, NLP, and text-to-speech for personalized automation. Streamlined everyday computing tasks with contextual understanding.
- **YouTube Transcriber (Python, PyTube, SpeechRecognition)** — Automated YouTube audio extraction and transcription, converting speech to structured text. Reduced manual transcription effort by 90%.

CERTIFICATIONS

- Introduction to Programming using Python — Coursera
- DSA with Python — GeeksforGeeks
- Supervised Machine Learning: Regression and Classification — Coursera
- APSCHE SmartBridge Internship Certification
- NPTEL — Deep Learning, Object-Oriented Software Development

LANGUAGES

Telugu (Native), English