



VETCHA JAHNAVI PURNIMA

Aspiring AI/ML Engineer & Software Developer

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PROFESSIONAL SUMMARY

A highly motivated and detail-oriented Software Engineer with a strong foundation in Artificial Intelligence, Machine Learning, and data science. Passionate about problem-solving, innovation, and developing scalable solutions. Successfully completed multiple AI-based projects, including fake news detection, home price prediction, and online retail recommendation systems. Experienced in Python, HTML, CSS, and prompt engineering, with hands-on expertise in building web applications, AI models, and automation systems. Adept at collaborating with teams, leading initiatives, and continuously learning new technologies. Seeking a challenging role at technology-driven company to contribute technical expertise and drive impactful solutions.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java

Web Development: HTML, CSS

Software Development: Git, GitHub, VS Code, Software Testing

Soft Skills: Communication, Leadership, Time Management

Cloud platform: AWS

PROJECTS

Ransomware Detection using Machine Learning

- Built a machine learning model to detect ransomware based on system behavior and network traffic.
- Improved detection accuracy by implementing "classification algorithms".

Maze Game Development (Python)

- Created an interactive Python-based maze game incorporating user engagement features.

Online Retail Recommendation System

- Developed a recommendation engine using collaborative filtering and content-based filtering.
- Enhanced user experience with AI-driven product recommendations.

Home Price Prediction (Bangalore)

- Built a predictive model using machine learning to estimate real estate prices.
- Optimized accuracy with feature engineering and data preprocessing.

Fake News Detection System (AI/NLP)

- implemented an AI-based fake news detection model using NLP and machine learning.
- Increased detection accuracy by evaluating multiple classification models.

EDUCATION

Sri Mittapalli College of Engineering – Guntur (71.38%)	
Bachelor of Technology - BTech, Computer Science and Engineering	2021-2025
Sri Chaitanya Junior College – Guntur (94%)	
Intermediate, MPC	2019-2021
Sri Chaitanya School – Guntur (92.15%)	
HIGH SCHOOL	05/2019

INTERNSHIPS & CERTIFICATIONS

- Artificial Intelligence Internship - Academor
- Data Science Internship - Plasmid
- AI & ML Course Internship - Mindsparc Innovations
- Python for Data Science - NPTEL, IBM Coursera
- HTML Certification - Infosys Springboard
- CSS Certification - Infosys Springboard

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- Active NSS Volunteer & Team Leader , organizing social impact programs
- Anchored professional & cultural events in college
- Class Representative for 4 years , demonstrating leadership skills.