

VENKATESH INAMANAMELLURU

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Profile Summary

I'm a passionate software engineer with hands-on experience in NLP-based automation and full-stack web development. During my internships at two different organizations, I got the chance to work on real-world challenges, sharpen my problem-solving skills, and collaborate closely with teams. Those experiences helped me a strong, well-rounded skill set, Now i use to build practical user-friendly Websites that make the development process smoother and more efficient.

Education

Krishna University College of Engineering and Technology

Bachelor of Technology in Computer Science and Engineering; CGPA: 7.52/10

June 2021 – May 2025

Machilipatnam, Andhra Pradesh

AP Board Of Intermediate Education

Sri Chaitanya Jr College

June 2019 – May 2021

Ongole, Andhra Pradesh

AP Board Of Secondary Education

Jupiter High School

June 2018 – May 2019

Ongole, Andhra Pradesh

Internship Experience

Intel Unnati Industrial Internship

Summer Intern

May – July 2024

Remote

- Led a team of 5 in developing a web application that validates business contracts by processing PDF documents using PyPDF2, classifying clause content, and detecting deviations from templates with NLP techniques such as Named Entity Recognition (NER) and regular expressions using NLTK.
- Designed a template comparison system to calculate similarity scores, highlight deviations, and present results in a **Streamlit** interface with contract summaries and visualizations, delivering a user-friendly experience.
- Managed the project lifecycle—coordinating with Intel mentors, overseeing task distribution, and ensuring alignment with industry standards—while building leadership and project management skills.

IIDT Blackbucks

Full Stack Developer Intern

August – October 2024

Remote

- Developed a fully functional music application, showcasing strong front-end and back-end development skills.
- Collaborated effectively with cross-functional teams throughout the project lifecycle to ensure smooth delivery and integration.
- Completed an intensive internship focused on Full Stack Development using technologies such as HTML, CSS, JavaScript, Node.js, and MySQL.

Projects

Business-Contract-Validation | *Python, PyPDF2, NLTK, Streamlit*

- Developed a web application to automate the validation of business contracts using Natural Language Processing (NLP) techniques.
- Implemented clause classification to extract and identify legal clauses using NLTK and Named Entity Recognition (NER).
- Built a template deviation detection system to compare extracted clauses against predefined templates and highlight discrepancies.
- Utilized PyPDF2 for parsing contract PDFs and created an intuitive **Streamlit** interface for real-time contract analysis.

HealthCare Chatbot And Medicine Recommendation System | *HTML, CSS, JavaScript, Python, MySQL*

- Developed an AI-powered healthcare chatbot and medicine recommendation system to assist patients 24/7 with personalized responses and treatment suggestions.

- Integrated machine learning algorithms to deliver accurate medical advice and reduce the likelihood of incorrect data inputs.
- Created a responsive and intuitive frontend using HTML, CSS, and JavaScript, backed by Python and MySQL for backend logic and data handling.
- Improved patient engagement and healthcare accessibility through intelligent automation and real-time interaction.

ATM Interface (Console-based) | *Java, Java Standard Edition, Java Utility Classes*

- Built a simple console-based ATM system that lets users log in with a PIN and perform basic actions like checking balance, depositing, and withdrawing money.
- Used file storage to save and load account balances, so the data stays even after the program closes.
- Focused on clean and logical flow using object-oriented design and basic control structures to create a smooth user experience.

Publications

- Designed a **Healthcare Chatbot and Medicine Recommendation System** using AI and Machine Learning to provide personalized health advice and medication suggestions. Results were published in the **International Journal of Innovative Research in Technology (IJIRT)**. Backend was implemented in Python; frontend developed using HTML, CSS, and JavaScript.

Technical Skills

Languages: Python, Java, HTML/CSS, MYSQL

Developer Tools: VS Code, Eclipse, MS Word, PowerPoint, GitHub

Operating Systems: Linux, Windows

Soft Skills: Communication, Teamwork, Time Management, Leadership

Certifications

Prompt Engineering and Advanced ChatGPT

May 2024

EDX

Earned a certification in Prompt Engineering and Advanced ChatGPT from edX, developing strong skills in designing effective prompts and enhancing AI-driven conversations.

AIML

June 2024

APSSDC

Completed AIML training with APSSDC, building a solid foundation in Artificial Intelligence and Machine Learning concepts and applications.

Intel Unnati Industrial Training

July 2024

Intel

Completed Intel Unnati Industrial Training as a Tester, Worked on the 'Business Contract Validation' project, gaining hands-on experience in quality assurance and validation processes.

Full Stack Development

October 2024

APSCHE-IIDT-Black Bucks

I completed Full Stack Development training with APSCHE-IIDT and Black Bucks, I gained hands-on experience in both front-end and back-end technologies.