

Roshni Nekkanti

Roll No.:22B01A4571

B.Tech.- CSE - AI and Data Science

Shri Vishnu Engineering College for Women, Bhimavaram

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Duration
B.Tech.	Shri Vishnu Engineering College for Women	9.01 (Current)	2022-2026
Senior Secondary	Board of Intermediate Education AP	91.0%	2020-2022
Secondary	Andhra Pradesh Board of Secondary Education	99.50%	2019-2020

EXPERIENCE

- **Ongoing Internship Experience: Sabudh Foundation** Jan. 2024 - Dec. 2024
Data Science Part-Time Intern Punjab
 - Engage in intensive training sessions covering Python, Machine Learning, Data Structures and Algorithms, and Deep Learning.
 - Apply learned concepts to address real-world challenges during practical project phases. Collaborate closely with mentors and peers to ensure project success.
 - Actively participate in discussions and knowledge-sharing sessions to foster a collaborative learning environment.
- **Hacktoberfest** Oct. 2023 - Nov. 2023
Open Source Contribution Contest Virtual
 - Successfully completed the Hacktoberfest contest in 2023, ranking among the best contributors, leading to a tree planted in my honor
 - **Contributions to Curious Developers:** Actively contributed to the Curious Developers organization, taking on a pivotal role in creating a dynamic website. This website serves as a hub for comprehensive library documentation and engaging blog posts.
- **MathWorks - AICTE** May. 2023 - Oct. 2023
Virtual Internship Program in Collaboration with AICTE Virtual
 - **AI Coursework:** Completed comprehensive AI coursework covering fundamental concepts in deep learning, machine learning, and data analysis using MATLAB
 - **Specialized Onramps Completed:** MATLAB Onramp | Image Processing Onramp | Signal Processing Onramp | Machine Learning Onramp | Deep Learning Onramp
- **CodeClause** Apr. 2023 - May. 2023
Web Development Internship Remote
 - **Payment Gateway Integration** (HTML, CSS, JavaScript, Payment Gateway API): Successfully integrated a payment gateway into web applications using HTML, CSS, JavaScript, and Payment Gateway API, ensuring secure and seamless online transactions.
 - **Responsive Unit Converter & Responsive Portfolio Webpage**(HTML, CSS, JavaScript) : Designed and developed a responsive unit converter tool and visually appealing and responsive portfolio webpage using HTML, CSS, and JavaScript, enhancing user experience across various devices and screen sizes.

PROJECTS

- **Human Pose Detection Project Using CNN and LSTM** Nov. 2023 - Dec. 2023
Computer Vision Drive
 - **Objective:** Developed a real-time Human Pose Detection System using Python, TensorFlow, and OpenCV
 - **Impact:** Enhanced user experience in fitness applications by providing accurate real-time feedback on exercise form and posture
- **Standard Template Standardization** Oct. 2023 - Oct. 2023
Document Automation - Computer Vision Drive
 - **Technology Stack:** Streamlit for User-Friendly Template Scanning, EasyOCR for Precise Data Extraction and CSV Storage
 - **Data Processing:** Meticulous Wrangling to Uncover Patterns and Fraud Indicators, Utilization of Plotly for Interactive Visualizations
- **College Management System with Centralized Student Portal** Oct. 2023 - Jan. 2024
Web Development Drive
 - **Centralized Certification and Academic Reports Repository (Python, Django, Database):** Implemented a secure platform for storing and accessing certifications and academic reports using Python and Django, backed by a database. This streamlined administrative processes and ensured data integrity.

- **Individual Student Interface:** Developed a user-friendly interface for individual students using HTML, CSS, and Python, allowing seamless access to academic records, certificates, and course-related information.
- **Instagram Threads Sentiment Analysis** Nov. 2023 - Nov. 2023
Natural Language Processing - Sentiment Analysis Drive
 - **Sentiment Analysis Tools (Python, NLP):** Utilized Python and NLP libraries to perform sentiment analysis on user comments, classifying sentiments as positive, negative, or neutral
 - **Insightful Reports:** Generated insightful reports and visualizations to understand user sentiments and trends within Instagram Threads discussions
 - **Streamlit Deployment:** Deployed the sentiment analysis tool on Streamlit, creating an interactive web application for users to explore sentiment trends
- **Medical Image Analysis Model with LLM Integration and Google Gemini API** May. 2024 - May. 2024
Generative AI Drive
 - **Objective:** Developed an advanced medical image analysis model capable of diagnosing skin diseases and identifying various external issues in the body. Utilized deep learning techniques, including Large Language Models (LLM), to analyze all types of medical images for accurate diagnosis and treatment recommendations. Deployed the model on Streamlit for user-friendly interaction and visualization.
 - **Technologies used:** Python, TensorFlow, PyTorch, Google Gemini API, Deep Learning, Natural Language Processing (NLP), Streamlit

SKILLS

- **Programming:** C/CPP, Python, HTML, CSS, JavaScript, Java, python for Data Analysis and Machine Learning
- **Tools and Databases :** Windows, VS code, Github, SQL
- **Lib/Frameworks :** Django, NumPY, Pandas, Scipy, Matplotlib, Seaborn, Plotly, Keras, Tensorflow, OpenCV
- **Non Technical:** Time management, Task Prioritization, Creative & innovative thinking, Problem Solving, Collaboration, Communication, Active Listener, Event Organisation, Leadership Qualities *

KEY COURSES TAKEN

- **Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths, Probability & Statistics
- **Courses:** Operating Systems, Data Base Management Systems, Data Science

POSITIONS OF RESPONSIBILITY

- **Student Representative, Institution of Engineering and Technology (IET) On Campus** Dec 2022 - Present
 - **Event Organizer and Industry Liaison:** Efficiently oversee a 5L budget to plan and execute diverse activities, including workshops, seminars, tech talks, technical events, and awards ceremonies, promoting professional growth and knowledge exchange among IET members. Proactively connect with industry leaders, including founders and CEOs, to enhance event quality and networking opportunities.
- **BUILD Club Coordinator , Integration with IIT Madras Research Park** Nov 2023 - Present
 - **Facilitating Student Engagement:** Spearheaded the seamless integration of our club with IIT Madras Research Park, enabling students to actively participate in cutting-edge research projects.
 - **Guidance from Top Professors and Experts:** Fostered a collaborative environment where club members received valuable guidance and mentorship from distinguished professors and research experts associated with IIT Madras

ACHIEVEMENTS

- **Best in Academic Excellence Award**, by global org Institution of Engineering and Technology 2022
- **Admiring Leadership Skills Award**, by global org Institution of Engineering and Technology 2023
- **NASA Space Apps Hackathon, National Winner and Global Nominee** [Team-Lead] 2023
- **Limca Book of Records**, Recognized for Speech Marathon organized by Toastmasters Club 2023
- **IET (CLN) - Industrial Summit 5.0 - PENTATHON - WEBATHON** , Runner-up 2023
- **INEO (Indian National English Olympiad)**, by SIMO Education - (AIR-5) 2023
- **Silver Zone Olympiads- science olympiad, (State Rank 23)** 2019
- **Balkalaratna Award** , by Kalabharathi Art Institution - All India drawing competition 2014

CERTIFICATIONS

- **Microsoft**, Microsoft AI Skills Challenge - AI Odyssey Challenge
- **IIRS, ISRO**, Overview of Free and Open Source Software for Geospatial Technology (FOSS4G)
- **MathWorks**, MATLAB , Machine Learning , Signal Processing , Image Processing , Deep Learning
- **SoloLearn**, Java Intermediate
- **Linkedin**, HTML5 , Introduction to Programming Using HTML and CSS , SQL for Data Analysis , Django
- **Udemy**, CPP , Advanced Python