Ruchitanjani Jella

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EDUCATION

- **B.Tech - (Computer Science and Engineering - IoT)**
  VNR Vignana Jyothi Institute of Engineering and Technology; CGPA: 9.05 *Nov 2022 - June 2026*

- **Board of Intermediate Education**
  Srigayatri Junior College ; Percentage: 98.5 *June 2020 - May 2022*

- **Board of Secondary Education**
  Gowtham Model School ; GPA: 10 *May 2020*

SKILLS SUMMARY

- **Languages**: Python, C, JavaScript
- **Web Technology**: HTML, CSS, Bootstrap, Reactjs
- **Tools**: Visual Studio, Jupyter Notebook, GIT, PowerBI
- **Databases**: MYSQL(SQL)
- **Concepts**: OOPS, DBMS, OS
- **Soft Skills**: Team coordination, Time Management, Dedicated, Adaptability

PROJECTS

- **Cursor Control system through Eye Tracking** *OpenCV, MediaPipe, PyAutoGUI*
  Artificial Intelligence and Computer Vision
  - This project implements a hands-free cursor control system using eye tracking technology.
  - It leverages OpenCV for image processing, MediaPipe for real-time facial landmark detection, and PyAutoGUI for controlling the cursor movements.
  - It uses webcam for blink detection and simulates mouse clicks when the user blinks.

- **Online Voting System** *React.js, Node.js, MongoDB*
  Full-stack Development
  - Designed and developed a online voting system using MERN Stack, ensuring a seamless and responsive user experience.
  - Applied features such as robust user authentication and encrypted ballot casting to ensure confidentiality.
  - Integrated real-time result display, leveraging dynamic charts and graphs to provide clear and insightful visual representations of election outcomes.

- **Sentiment Analysis on Product Reviews** *Python, NLP,ML*
  Machne Learning
  - Built a sentiment analysis model on product reviews using TF-IDF vectorization and Logistic Regression, achieving high accuracy in classifying positive and negative sentiments.
  - Implemented data preprocessing, feature extraction, and model evaluation with metrics like accuracy and classification report.
  - Designed the system to handle real-time predictions on new customer reviews for practical applications in e-commerce.

CERTIFICATIONS

- **Introduction to Prompt Engineering for Generative AI** Gained expertise in crafting effective prompts for AI models and understanding generative AI concepts.
- **SQL (HackerRank)** Build a strong foundation in fundamental database querying, data manipulation, and analysis using SQL.

ACHIEVEMENTS

- Secured 2nd place in a 24-hour national-level hackathon organized by Krithomedh, VNRVJIET, for developing a system that detects feedback authenticity and performs sentiment analysis using machine learning.
- Qualified at the college level in the Smart India Hackathon, a national-level competition.
- Advanced to the second round in the Coding Contest organized by Krithomedh.

EXTRA-CURRICULAR

- Volunteered for the Mega Blood Donation Camp organized by NSS, contributing to the successful collection from 300+ donors, and participated in community outreach programs promoting social responsibility and teamwork.
- Secured multiple prizes at School-Level drawing competitions showcasing creativity and attention to detail.
- Awarded for Academic Excellence at school level.