KOMMINENI VARUN

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Skills

- DS/ML/AI: Python, DS LifeCycle, ANN/CNN techniques
- Python Framework/Modules: Sklearn, TensorFlow, Pytorch, Keras, Numpy, Pandas
- Web Development: Typescript, React, NextJs, Tailwind CSS,
- Databases: MySQL, Sanity

Education

Bachelor of Technology in Computer Science (Artificial Intelligence and Data Science)
VNR Vignana Jyothi Institute of Engineering, Hyderabad, IN   *Dec 2021 - Present*

- Cumulative GPA: 7.89 (till 4th semester)

Training

Artificial Intelligence and Machine Learning Training
International Institute of Information Technology (IIIT), Hyderabad, IN   *Month Year - Month Year*

- Covered topics such as machine learning algorithms, natural language processing, computer vision, and AI applications.

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Experience

SRISTHI24
IIIT Hyderabad, Hyderabad   *Jan 2024 - July 2024*

- Selected from a pool of 100 applicants for a competitive internship at Srithi Institute.
- Contributed to the Front-end development team for Virtual Labs, a platform with 1.3 million views in the last year.
- Worked under the guidance of Dr. Prasad Krishnan, contributing to the software development team for Virtual Labs.
- Developed and executed 9 data-driven experiments on the platform, resulting in a 25 percent increase in user engagement and a 20 percent improvement in educational content relevance.
- Engaged in a 6-month internship with a primary focus on front-end development.

Projects

STOCK PREDICTION — Github   *Sep 2023*

- Led a stock prediction project for Microsoft as part of Bharat Intern, resulting in a **20% improvement** in the accuracy of closing price predictions.
- Expertly extracted and transformed Date and Close columns from an extensive dataset spanning from 1986 to September 2023. Implemented advanced data analysis and time-series forecasting techniques, leading to a significant improvement in prediction accuracy.

VNR CHATBOT — Github   *Oct 2023 - Nov 2023*

- Engineered the VNR Enquiry Bot, resulting in a substantial 30 percent surge in user engagement and a significant reduction of 40 percent in customer support queries.

- Streamlined access, enhanced user experiences, and optimized support services with the VNR Enquiry Bot, an advanced AI solution for VNR College.

  - Implemented **multichannel support**, handling over **1,000 user inquiries per day**.

EMOMAGNET — Github   *Dec 2023*

- Developed EMOMAGNET, a project focused on emotion-based song recommendations.

- Utilized the FEM dataset containing 5000 images for training a Convolutional Neural Network (CNN) for emotion detection.

- Employed the MUSE dataset, comprising 90,000 songs, for music recommendations.

- Applied collaborative filtering and other recommendation algorithms to enhance song suggestions based on emotions.

SPAM CLASSIFICATION —Github   *[Month Year - Month Year]*

- Conducted a spam classification project using a dataset of 5000 emails, comprising 4400 non-spam and 600 spam emails.

- Employed various Natural Language Processing (NLP) techniques for text preprocessing to enhance the dataset's quality.

- Implemented a Naive Bayes model for spam classification with a precision of **100%**.

Accomplishments

AMAZON ML SCHOOL   *Sep 2023 - Oct 2023*

- **Selected for Amazon ML School** from among 17,500 registrants through a competitive online process.

- Completed an intensive 8-week Amazon ML Summer School in 2023, gaining expertise in **machine learning** and **practical applications**, poised for **career advancement** and **impact**.

Bootcamp   *Oct - 2023*

- Coordinated a **4-day Python Application Development bootcamp** in collaboration with the Codegnan team.

Hobbies and Interests

- Video Editing

- Exploring new AI Tools