HET PATEL

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Education

L.D. College of Engineering	**July 2019 - May 2023**
Bachelor of Engineering in Computer Engineering(CE)	CGPA 8.83/10	Ahmedabad, India
New Meghdoot VidhyaVihar	**June 2017 - May 2019**
HSC GSHSEB	PCM - 99.71 PR GUJCET - 107.5/120	Ahmedabad, India
New Meghdoot VidhyaVihar	**June 2016 - May 2017**
SSC GSHSEB	98.52 PR	Ahmedabad, India

Skills

Programming : Python, C, C++, Java, C#, Data Structure & Algorithms

Web Development : HTML, CSS, Javascript, PHP

Deep Learning & Neural Networks : MLP**,** ANN, CNN, RNN, LSTM, GRU

Data Science & Machine Learning : Probability & Statistics, EDA, Unstructured & Structured Data Analysis, SQL, Supervised & Unsupervised Learning Algorithms, Feature Engineering, Basics of Computer Vision

Data Handling : CSV, Audio, Image, HDF, NetCDF & Grib Data Files

Natural Language Processing : Text Preprocessing, Text Representation Techniques, Text Classification, Parts of Speech tagging, Topic Modeling, Name Entity Recognition

Tools & Frameworks : Anaconda, Jupyter Notebook, Google Colab, Spyder, Pycharm, VScode, Numpy, Pandas, Matplotlib, Seaborn, Sklearn, Tensorflow, Keras, h5py, NLTK, OpenCV

Mathematics : Linear Algebra, Calculus, Probability & Statistics

Andriod Development : Basics of Android Studio & Application Development

Internships

Space Application Center, ISRO (1st Feb 2023 - 30th April 2023) | Research Intern | Ahmedabad, India
- Analyze HDF, GRIB, and NetCDF files, Learn about Scatsat-1 Satellite
- Processed More than 200 GB of Unstructured Data of Scatsat-1 Satelite and convert into Structured 3D Data Format & Build ANN for Estimate Significant Wave Height Estimation.

Twowaits Technologies Pvt.LTD (1st July 2022 - 31st July 2022) | Python Intern | Project Link
- Make an AI Based Voice assistant using Python Which Assist You on Some Basic Questions

Twowaits Technologies Pvt.LTD (1st June 2022 - 30th June 2022) | Data Science Intern | Project Link
- Learn About Data Science & Build Project on Netflix Dataset and Perform EDA Techniques

Brainy Beam Technologies Pvt.LTD (15th June 2022 - 5th July 2022) | PHP Developer Intern Intern | Ahmedabad, India
- Build Project on Employee Management System Using HTML, CSS, Bootstrap, PHP, SQL & XAMPP

Projects

Indian Music Genre Analysis | Python, MFCCs, NLP, ML Algorithms | Project Link
- Classify Indian Music Genre Analysis using Python and Mel-frequency cepstral coefficients (MFCCs) with ML algorithms including Random Forest, Naive Bayes, Decision Tree, and XGBoost, with XGBoost achieve the highest accuracy.

Brain Tumor Classification | Python , CNN, Deep Learning | Project Link
- Build Model on Brain Tumor Classification using Python, CNN, ANN and using of activation functions(ReLU & sigmoid) optimizer rms prop, Loss Function Binary cross entropy, and dropout layers.

Bank Marketing campaign Analysis | Python, EDA, ML Algorithms | Project Link
- Analyzed marketing campaign data of a financial institution to gain insights for future marketing strategies. Utilized Exploratory Data Analysis (EDA) and applied the Random Forest algorithm for depositor prediction, contributing to data-driven marketing campaign enhancements.

Money Tracking App | Android Studio, Java, XML
- Developed a multiscreen expense and income tracking app with user-friendly features & Utilized Firebase database for efficient user data storage and retrieval with Integrated secure login/logout and password recovery.

Hobbies

- **Chess, Cricket, Solving Puzzles, Reading, Tennis**

Achievements

- **ACPC Rank 123 in 12th Science PCM Stream**
- **6th Position in ML Marathon organized by Azure Developer Community, supported by Microsoft Azure | Project Link**