

Vejandla Vighnesh

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Education

Vellore Institute of Technology (VIT) <i>B.Tech in Computer Science with Artificial Intelligence and Machine Learning</i>	July 2021 – Present <i>CGPA: 8.23/10.0</i>
Narayana Junior College <i>Intermediate (11th - 12th)</i>	2019 – 2021 <i>Score: 875/1000</i>
Narayana [E.M.] High School <i>10th Class</i>	2018 – 2019 <i>CGPA: 10.0/10.0</i>

Work Experience

Bluestock Fintech <i>Software Development Engineering Intern</i>	Aug 2024 – Nov 2024
<ul style="list-style-type: none">Engineered a static website using HTML, CSS, JavaScript, and Bootstrap, achieving a 20% faster load time and 100% responsiveness.Streamlined backend integration with Django to process over 500 data records, improving content management efficiency by 15%.Built a maintainable codebase by restructuring modules, increasing scalability by 30%.Collaborated with a cross-functional team to gather requirements, ensuring alignment with user needs and business goals.Tested and debugged frontend and backend components, reducing production bugs by 25%.	

Projects

Music Genre Classification <ul style="list-style-type: none">Devised a CNN model using TensorFlow and Keras to classify music genres, achieving 92% accuracy.Trained the model on a dataset with 10,000+ audio samples, optimizing classification results.Implemented data augmentation techniques to improve model robustness.	Accuracy: 92.02%
Sentiment Analysis of Social Media Web App <ul style="list-style-type: none">Designed a machine learning pipeline using DecisionTreeClassifier for training (92%) and testing (72%) models.Optimized natural language processing workflows using Spacy, NLTK, and TextBlob for accurate text analysis.Built a dashboard to visualize sentiment trends, enhancing user insights.	Accuracy: 86.04%
Restaurant Reservation System <ul style="list-style-type: none">Built a user-friendly system enabling reservations for over 100 restaurants across 20 cities.Developed authentication mechanisms and user-friendly dashboards to streamline reservation management.Integrated APIs for real-time reservation updates, reducing manual errors by 40%.	Full Stack Development
Low Light1: Low-Light Image Enhancement Project <ul style="list-style-type: none">Researched and implemented low-light image enhancement techniques to improve visibility in poorly lit environments.Utilized cutting-edge algorithms, including Multi-Feature Decomposition Network (MFDNet), reducing noise levels by 20% while maintaining high color fidelity.Optimized pre-processing and post-processing workflows, resulting in a 25% reduction in image processing time.	PSNR value : 22.98

Certifications

MERN Full Stack Internship Program <i>ETHNUS</i> <ul style="list-style-type: none">Developed 7+ RESTful APIs and interactive interfaces with React, managing 1,000+ database records.Worked on a capstone project simulating a complete e-commerce system.	Aug 2023 – Nov 2023 <i>Certificate ID: 5C5SFFBS</i>
Google Cloud Computing Foundations Program <i>Google and VIT</i> <ul style="list-style-type: none">Gained proficiency in cloud concepts such as IaaS, PaaS, and SaaS.Deployed applications and leveraged big data tools for data management.Completed hands-on labs in virtual machine setup and application deployment.	Aug 2023 – Nov 2023

Technical Skills

Programming Languages: Java, Python, JavaScript, SQL
Frameworks: Django, React, TensorFlow, Bootstrap, Flask
Database: MySQL, MongoDB, PostgreSQL
Tools: Git, VS Code, PYcharm, DataSpell

Hobbies

<ul style="list-style-type: none">SketchingWatching animePlaying Badminton
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