NELAVALLI BASAVA LAKSHMI GANESH

Guntur, Andhra Pradesh

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in Ganesh Nelavalli | ○ ganeshnelavalli

EDUCATION

Vignan's Foundation for Science, Technology and Research   **2022 – 2026**
*B.Tech. in Computer Science and Engineering - **CGPA: 8.25***   *Vadlamudi, India*

Sri Saraswathi Junior College   **2020 – 2022**
*Intermediate (11th and 12th Grades) in MPC - **97%***   *Ongole, India*

Adarsa High School   **2018 – 2019**
*Secondary School Certificate - **CGPA: 10.0***   *Inkollu, India*

COURSEWORK

- Machine Learning
- Database Management System (DBMS)
- Web Development

TECHNICAL SKILLS

- **Languages:** Python, C/C++, SQL
- **Web Technologies:** HTML, CSS, JavaScript, PHP, MySQL
- **Frameworks/Technologies:** Machine Learning, Deep Learning, MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS), Bootstrap
- **Developer Tools:** TensorFlow, Keras, Scikit-learn, Git
- **Others:** Data Structures And Algorithms

PROJECTS

- **Hospital Management System**   *2022-2023*
  - Developed a full-stack hospital management system using the MERN stack, handling essential functionalities like doctor management and appointment scheduling.
  - Implemented MongoDB to store and manage doctors and appointments efficiently.
  - Built a React.js front-end for an intuitive and user-friendly interface.
  - Utilized Node.js and Express.js for backend logic, ensuring smooth interaction with the database.
  - Integrated Mongoose for seamless database operations and schema validation.
  - Deployed the project using Render for the front-end and MongoDB Atlas for database hosting.
  - **Technologies:** React.js, Node.js, Express.js, MongoDB, Mongoose.

- **Neural Style Transfer using VGG19 and TransformerNet**   *2024-2025*
  - Built a neural style transfer system combining VGG19 and TransformerNet to generate artistic images in real-time.
  - Used VGG19 for content and style feature extraction, and TransformerNet for efficient image transformation.
  - Trained the model using perceptual loss functions to preserve content while blending style features effectively.
  - Developed a user interface for uploading content and style images, with real-time output visualization.
  - **Technologies:** Keras,Tensorflow, VGG19, TransformerNet

INTERNSHIP

Full Stack Developer Intern **2023 − 2026**
Technology and Development, Vignan's Foundation for Science, Technology and Research (VFSTR) *Guntur, India*
- Developing and maintaining full-stack applications using modern web technologies.
- Collaborating with cross-functional teams to enhance the university's digital infrastructure.
- Implementing secure, scalable, and efficient backend services using PHP, MySQL, Node.js and MongoDB.
- Building responsive and user-friendly interfaces using HTML, CSS, React.js.
- Assisting in debugging, troubleshooting, and optimizing application performance.

CERTIFICATIONS

- Certified in MERN Stack-ByteXL
- NPTEL: Responsible Safe AI Systems
- Certified In Python - Codechef

Skill certification in Python (HackerRank)

Cambridge PET (2022)

Certified In Machine Learning - Robocopuler

ACHIEVEMENTS

- Worked as a lead for Web & IT design for Vignan's Mahotsav-Youth Fest.   2025

- Solved 300+ problems on LeetCode   2025

- Participant, Hackathon, Vignan's University: Collaborated in a team to develop innovative technical solutions under time constraints.   2025

- Secured Merit Scholarship in VFSTR for B.Tech.   2022

DECLARATION

I hereby declare that the information provided in this resume is true and complete to the best of my knowledge, and I understand that any false statements may result in my disqualification from employment opportunities.

NELAVALLI BASAVA LAKSHMI GANESH