Suganthi Ganesan

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PROFILE SUMMARY

A recent MSc IT graduate with hands-on experience in full stack web development and AI projects. I have built real-time web applications using HTML, CSS, and JavaScript, and completed internships in both AI/ML and full stack web development. I have also developed AI-based applications such as object detection and facial emotion recognition using Python and TensorFlow. I enjoy building smart, user-friendly solutions and am looking for an opportunity to grow as a developer and contribute to innovative tech projects.

EDUCATION

M.Sc. Information Technology June 2023 – May 2025
Vels University — Chennai
CGPA:8.6/10

Bachelor of Computer Applications (BCA) June 2020 – May 2023
Dr. MGR Janaki College of Arts and Science for Women — Chennai
CGPA:8.5/10

TECHNICAL SKILLS

Languages: Python, C++, Java, HTML, CSS, JavaScript
AI Tools & Frameworks: TensorFlow, COCO-SSD, OpenCV, AI Model APIs
Concepts: LLMs (Large Language Models), Prompt Engineering, AI Agents
Other Tools: VS Code, Microsoft Office (Word, Excel, PowerPoint, Project)

INTERNSHIP

NoviTech R&D Private Ltd March 2025 – April 2025
AI & Machine Learning Intern Remote

- Developed machine learning applications and developed multiple AI research projects.
- Gained hands-on experience with AI algorithms, datasets, and model evaluation techniques.
- Learned new ML concepts that were directly applied in academic and personal projects.

PROJECTS

House Price Estimator | Python, Scikit-learn, Streamlit, NumPy, sklearn datasets (March 2025- May 2025)

- Built an interactive web app to predict house prices based on key features like median income, house age, average rooms, population, and location.
- Developed a Linear Regression model trained on the Housing dataset to estimate prices accurately.
- Implemented dynamic sliders for user input to adjust housing features and instantly view predicted prices.

Credit Card Fraud Detection | Python, Pandas, Scikit-learn, Matplotlib, Seaborn (Jan 2025-March 2025)

- Built a classification model to detect fraudulent credit card transactions using real-world data (Kaggle dataset with 284,807 transactions).
- Applied Logistic Regression and evaluated model performance using precision, recall, F1-score, and confusion matrix.

Real time Emotion Detector | HTML, CSS, JavaScript and TensorFlow (Aug 2024– Dec 2024)

- Designed an intuitive front-end using HTML, CSS, and JavaScript to display detected emotions in real time
- Integrated pre-trained TensorFlow.js models to recognize emotions like happy, sad, angry, etc.
- Displayed live predictions along with confidence scores for each detected emotion

CERTIFICATIONS

- Generative AI by Microsoft and LinkedIn
- Python for Data Science, IBM