

VINEETH SHETTIGAR

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Summary

Enthusiastic Computer Science and Engineering student with a passion for emerging technologies, particularly Machine Learning and Deep Learning. Proficient in Python and various libraries, with experience in multiple programming languages. Combining design principles with technical skills, I create engaging digital experiences using tools like VS Code and Google Colab. Eager to contribute innovative solutions and stay at the forefront of tech industry developments.

Tech Skills

Programming Languages: Python, Java, C
Libraries: TensorFlow, PyTorch, Keras, Scikit-Learn, Seaborn
Frameworks: Django, Flask
Databases: MySQL, MongoDB
Tools: VS Code, Google Colab, Spyder, Jupyter Notebook, Git

Experience

Code Lab Systems

Mangalore, India

Data Science and Machine Learning Intern

October 2023 – November 2023

Tech Stack: Python (TensorFlow, PyTorch, Scikit-Learn, and related libraries)

- Expertise in Developing and Testing Machine Learning Models:
 - Implemented a breast cancer prediction classifier with **95% accuracy**, emphasizing healthcare applications. | [GitHub](#)
 - Created a cricket score regression model with **R² score of 0.89**, showcasing sports analytics proficiency. | [GitHub](#)
 - Applied clustering algorithms for plant breed prediction with **85% accuracy**, demonstrating adaptability in agricultural contexts. | [GitHub](#)

Nutri-Track

MITE, India

Lead Developer and Technical Head

Nov 2022 – Jun 2023

Tech Stack: Python, MicroPython, Raspberry Pi.

- Developed **Python** and **MicroPython** code for a **Raspberry Pi**-based project aimed at **increasing agricultural yield** for farmers.
- Created a **Decision-Tree ML algorithm** that provided **crop recommendations** based on field data, enhancing farmers' decision-making process.
- **Secured ₹2.45 lakhs in funding** from **K-Tech (Karnataka Government)**, underscoring the project's significance and potential impact.

Projects

eKYC Application | Python, Dlib, Face Recognition, EasyOCR, MySQL, Streamlit | [GitHub](#) May 2024

- **Engineered** an eKYC logging application incorporating **Face** Recognition for precise identity matching and **EasyOCR** for seamless text extraction from government documents.
- **Implemented** a robust **liveness** check to ensure accurate identity verification, bolstering security and fraud prevention.
- **Leveraged Streamlit** to design an intuitive, interactive user interface, significantly enhancing user experience.
- **Integrated MySQL** for secure, persistent user data storage, enabling effortless re-authentication via face ID, powered by advanced **face embeddings technology**.

Emotion Detection | Python, keras, ResNet50, VGG16, Gradio | [GitHub](#) March 2024

- **Developed** an emotion detection system using **CNN models** with **VGG16** and **ResNet50** to accurately identify emotions through live camera feed.
- **Implemented** the system with **Gradio** for seamless deployment and user interaction.

Stock Price Predictor | Python, Scikit-learn, Seaborn, Regression Modeling | [GitHub](#) Jan 2024

- **Developed** a machine learning model with **92% accuracy** to predict Netflix stock prices, analysing historical data and real-time market trends.
- **Designed** an intuitive Front-End interface for seamless user interaction.

Predicting Heart Attack | Python, Seaborn, Scikit-learn, Classification Model | [GitHub](#) Dec 2023

- **Developed** an ML model to predict heart attack risks with **98.76% accuracy** using patient history, including factors like smoking status, BMI, and glucose levels.
- **Implemented** a **Support Vector Machine (SVM)** for classification, leveraging its high performance.

Education

B.Tech. in Computer Science and Engineering | **CGPA: 9.04/10** Nov 2021 – Present
Mangalore Institute of Technology and Engineering Moodbidri, Karnataka

Senior Secondary (12th) – KSEEB | Percentage: 89.00 % 2020-2021
Jnana Sudha PU College Karkala, Karnataka

Secondary School (SSLC) – KSEEB | Percentage: 88.52 % 2018-2019
Jnana Sudha High-School Karkala, Karnataka

Achievements

- **Successfully hosted** the coding event **Code Relay** with my team, ensuring smooth execution and positive participant feedback.
- **Advanced to the finals** in the **36-hour National-Level Hack to Future 2.0 Hackathon** at SJEC.
- **Secured 2nd place** in the **UI-War Front-End Hackathon** by developing a luxury watch e-commerce site in 6 hours, organized by CSI at MITE
- **Achieved 4th place** in the **CTF (Capture the Flag)** event, organized by the Crypton Club at MITE.
- **Participated** in the **M# Hackathon** organized by Manipal Institute of Technology.

Courses and Workshops

- **Machine Learning** by DeepLearning.AI
- **IBM Data Analyst** Professional Certificate
- **Google IT Automation with Python** Professional Certificate
- **Google Cybersecurity** Professional Certificate

Hobbies

- **Reading:** Self-help books and technology-related literature.
- **Tech Trends:** Keeping up with emerging technologies.
- **Competitive Coding:** Participating in coding challenges.
- **Tech Events:** Attending industry events and conferences.