Devona Thelma Pinto

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Education

B.E. in Computer Science and Engineering **2021 – 2025**
Shri Madhwa Vadiraja Institute of Technology and Management, Udupi
CGPA: 9.22 / 10
Courses: Data Structures, Operating Systems, DBMS, Python, Machine Learning, OOPs
Winner of Hack_Teck 2.0; IEEE UREKA participant; National level hackathon competitor

Professional Experience

Web Development Intern **Nov 2024 – Apr 2025**
Quantum Learning (Remote)
- Built responsive Movie Finder web application using HTML, CSS, JavaScript, and APIs.
- Integrated third-party movie APIs to fetch and display dynamic movie details.
- Enhanced frontend design for cross-device compatibility and user-friendly interface.
- Deployed on Vercel with optimized performance and automated deployment pipeline.

Machine Learning Research Intern **Oct 2023 – Nov 2023**
Manipal Institute of Technology (MIT), Udupi (Onsite)
- Developed predictive stock price model using machine learning on historical data.
- Implemented Linear Regression and ARIMA algorithms for financial trend forecasting.
- Visualized data insights using Matplotlib and improved model performance through hyperparameter tuning.
- Collaborated with research team to validate model accuracy against real-world market data.

Projects

Movie Finder Web Application **2025**
HTML, CSS, JavaScript, REST APIs
- Created web application that fetches and displays movie details dynamically using API integration.
- Designed clean and user-friendly UI with responsive layouts for multiple device sizes.
- Live: https://movie-finder-nine-delta.vercel.app/

Glaucoma Detection System **2023**
Python, OpenCV, TensorFlow, Flask, YOLOv8
- Built glaucoma detection system using image processing and deep learning for early diagnosis.
- Used K-Means clustering and morphological operations to calculate Cup-to-Disc ratio from fundus images.
- Achieved 87% accuracy on test datasets and deployed Flask backend for real-time predictions.

Stock Price Prediction **2023**
Python, scikit-learn, Pandas, Matplotlib, yfinance
- Predicted next-day stock closing prices using real-time data from Yahoo Finance API.
- Engineered features with SMA, EMA, RSI, and applied Linear Regression achieving 92% accuracy.

Tomato and Bell Pepper Disease Detection **2024**
Flutter, MobileNet, Flask, TensorFlow Lite
- Developed mobile-based system to classify plant diseases using lightweight MobileNet model.
- Integrated Flask backend with Flutter frontend for real-time crop disease detection.

Technical & Soft Skills

- **Languages:** Python, C, JavaScript, HTML/CSS, SQL
- **Backend:** Flask, TensorFlow, TensorFlow Lite, REST APIs
- **Frontend:** Flutter, Bootstrap, Responsive Design
- **Databases:** MySQL, Oracle SQL
- **ML/AI:** TensorFlow, scikit-learn, OpenCV, Pandas, Matplotlib, YOLOv8
- **Tools:** Git, GitHub, Postman, Visual Studio Code, Jupyter Notebook

- **Deployment:** Vercel, Netlify, Flask deployment
- **Soft Skills:** Communication, Teamwork, Time Management, Problem-Solving

Certifications & Achievements

- **Winner – Hack_Teck 2.0 (2023):** Built web-based solution for real-time health data monitoring.
- **Participant – IEEE UREKA 2023:** Contributed to collaborative ML and IoT projects.
- **National Level Hackathon:** Competed in Bangalore against top engineering talent.
- **Basics of Python Programming:** https://drive.google.com/certification-link
- **SQL Fundamentals:** Database design and optimization certification
- **Portfolio:** https://snazzy-fenglisu-2f5681.netlify.app/