

Devadharshni Sivakumar

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SKILLS

Programming Languages: Python,Java, Javascript, HTML/CSS

Framework & Technologies: TensorFlow, PyTorch, Keras, ReactJS,NodeJs, ExpressJs , Bootstrap,REST API

Libraries & Tools: NumPy, Pandas, OpenCV,GitHub, Postman API,Figma

OS: Windows, Linux(Ubuntu , CentOS)

Database : MySQL, MongoDB

Soft Skills: Communication , Team Collaboration, Initiative , Task Prioritization

INTERNSHIPS

React JS developer Intern

Oct 2024 – Jan 2025

UptoSkills

New Delhi(Remote), IN

Project: Mentor & Mentee Dashboard(MERN stack)

- Engineered a scalable role-based dashboard using ReactJS, NodeJs, ExpressJs, and MongoDB, serving over 200+ simulated users.
- Collaborated in Agile sprints, contributing to on-time delivery of 100% sprint goals.
- Developed and tested 8+ API endpoints using Postman and Jest, resulting in 97% test coverage and a 25% drop in post-deployment bugs .
- Configured CI/CD processes using Git and GitHub, communicated implementation plans with peers via GitHub and team calls and 50% faster deployment cycles .
- Boosted database performance by 40% through MongoDB schema optimization and indexing strategies.
- Secured user data by integrating JWT-based login and role-based access control, improving platform security score by 90%+ during testing .

PROJECTS

Deepfake Video Detection System

Jan 2025 – May 2025

Deep Learning Project

Python, TensorFlow, OpenCV

- Developed a deepfake detection tool capable of analyzing videos in real-time with a 98% accuracy rate on test datasets.
- Implemented a CNN model using TensorFlow, extracting key facial features from video frames in under 0.5 seconds/frame .
- Designed a user-friendly Tkinter GUI, streamlining fake video uploads, displaying frame-by-frame analysis for non-technical users and reducing user processing time by 40% .
- Implemented frame-wise processing with OpenCV, increasing analysis efficiency by 55% compared to baseline approaches.
- Targeted project development toward real-world applications in digital journalism, specifically media verification and content authenticity, enhancing the platform's practical utility for identifying manipulated media by 30%. .

PYBOT

Jun 2024 – Sep 2024

Natural Language Processing

Python,Tkinter ,Regex, NLTK

- Built an NLP-driven chatbot designed to assist Python beginners, covering 100+ core concepts including loops, data types, and functions.
- Architected a question-and-response engine using NLTK and regex, achieving 85%+ match accuracy for free-form user queries.
- Created an interactive GUI using Tkinter that led to a 60% improvement in user engagement during pilot tests.

EDUCATION

Bharathidasan University

Trichy, Tamil Nadu

B Tech in Computer Science and engineering CGPA : 8.41 / 10

Aug 2021 – May 2025

Jaivins Academy

Ammampalayam, Tamil Nadu

HSC- PCMB PERCENTAGE : 89%

Jun 2020 – Mar 2021

CERTIFICATIONS

- **Full- Stack Web Developement** - Udemy
- **Introduction to Cloud Computing** - Infosys SpringBoard