Srikanth Babu

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 github.com/Srikanth-coder-max

Overview

Aspiring Software Engineer passionate about web development, machine learning, and security. Skilled in building AI-powered applications, backend development, and security models. Adept at problem-solving, optimizing algorithms, and developing scalable software solutions.

Skills

Programming Languages: Python, SQL, JavaScript
Web Development: Flask, Django, Firebase
Database: PostgreSQL, SQLAlchemy
Technologies and Tools: Git, OpenCV, TensorFlow, Scikit-learn, BeautifulSoup

Experience

Software Developer (Personal Projects)

- Developed an AI-powered blog summarization web app to generate concise article summaries using NLP techniques.
- Built a phishing email detection model using machine learning and deep learning techniques to classify phishing vs. legitimate emails.
- Applied deep learning to reconstruct ultrafast ultrasound images, improving medical imaging quality with CNN-based architectures.

Projects

Blog Summarizer Web App
- Developed an AI-powered web app that generates concise summaries of lengthy blogs using NLP.
- Extracted key points using TextRank, TF-IDF, and Named Entity Recognition for accurate summarization.
- **Tech Stack:** Flask, Python, NLTK, BeautifulSoup, HTML, CSS, JavaScript.

Phishing Email Detection Model
- Designed a machine learning model to detect phishing emails, improving email security.
- Extracted features using TF-IDF, word embeddings, and trained classifiers with logistic regression and deep learning models.
- **Tech Stack:** Python, Scikit-learn, TensorFlow, Pandas, NumPy.

Image Reconstruction for Ultrafast Ultrasound
- Developed a deep learning-based image reconstruction model to enhance ultrasound image quality.
- Applied CNNs and autoencoders to denoise and sharpen medical images for better diagnostics.
- **Tech Stack:** Python, TensorFlow, OpenCV, Matplotlib, NumPy.

Coursework

- Data Structures and Algorithms
- Problem Solving
- Database Management System
- Object Oriented Programming
- Software Engineering
- Cloud Computing

Education

Vellore Institute of Technology (VIT)	*2022 – Expected 2027*
M.Tech Software Engineering (Integrated) - **CGPA: 8.10**	*Katpadi, Tamil Nadu*
Little Flower Convent Matric Hr. Sec. School	*2020 – 2022*
HSC - 86.67%	*Ammoor, Tamil Nadu*
SSLC - 87.4%	*Ammoor, Tamil Nadu*