

# ARAVINDA K KAMBAR

## COMPUTER SCIENCE STUDENT | MACHINE LEARNING

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### PROFESSIONAL SUMMARY

A motivated and detail-oriented Computer Science student with a strong foundation in machine learning, object-oriented programming (Java), Frontend and SQL. Passionate about leveraging technology to build robust, scalable solutions, with hands-on experience developing and deploying deep learning models. Eager to apply technical skills and a collaborative mindset to solve complex problems in a challenging, data-driven environment.

### TECHNICAL SKILLS

- Languages: Python, Java, SQL, JavaScript, HTML/CSS, C
- Machine Learning & Deep Learning: TensorFlow, Scikit-learn, NLTK
- Web & API Frameworks: FastAPI, Django, React
- Developer Tools: Git, Docker, VS Code, Firebase
- Certifications: Machine Learning Specialization (DeepLearning.AI)

### PROJECTS

#### Deep Learning Sentiment Classifier API

- Built and trained a Bidirectional LSTM model in TensorFlow to classify IMDb review sentiment with 82.2% accuracy.
- Applied text preprocessing techniques to structure the raw review data for the neural network.
- Deployed the final model as a REST API using FastAPI, creating an endpoint for real-time sentiment prediction.

#### PetPal Pro | Pet Adoption Platform

- Built a serverless application leveraging Firebase for backend services, including a real-time Cloud Firestore database, user authentication, and image storage.
- Technologies: React, Firebase, Cloud Firestore, Tailwind CSS

#### Personal Portfolio Website

- Built a responsive and modern portfolio using React and Tailwind CSS to showcase my work.
- Implemented a clean, component-based structure for code reusability and easy maintenance.
- Deployed as a high-performance static site to ensure fast load times and reliability.
- Technologies: React, Tailwind CSS, JavaScript, Git, Vercel/GitHub Pages

### DEVELOPER RESOURCES & CODE REPOSITORY

- Curated a public GitHub repository of beginner-friendly mini-projects and code references in JavaScript and Python, emphasizing clean, well-documented code to foster community learning and showcase version control skills.

### EDUCATION

#### B.Tech in Computer Science and Technology

2022 - 2026

Presidency University

- Relevant Coursework: Machine Learning, Neural Networks, Data Structures & Algorithms, Computer Networks, Operating Systems, Web Development