

Patakokila Praveen Kumar

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🌐 Portofolio Website in LinkedIn 🐙 GitHub

SKILLS

Programming Languages: C, C++, Python, HTML, CSS, JavaScript

Technologies/Tools: NumPy, Pandas, Matplotlib, scikit-learn, Keras, TensorFlow, PyTorch, Docker, Kubernetes

Certifications: Complete Interview Preparation ([GeeksforGeeks](#)), Generative AI ([Coursera](#)), Data Structures and Algorithms ([Udemy](#))

EXPERIENCE

Machine Learning Engineer

Sept 2024 – Nov 2024

Acadomer (Online)

([Certificate](#))

- **Skill Development:** Mastered Python and advanced machine learning techniques, completing 50+ hours of focused training on practical ML concepts and real-world applications.
- **Heart Disease Prediction Project:** Built a machine learning model to predict heart disease, achieving a high 87% accuracy using SVM on a dataset of 1,000+ records. Enhanced model accuracy through feature selection and tuning. ([Project Link](#))
- **Model Evaluation and Analysis:** Experimented with algorithms including Logistic Regression, Random Forest, and SVM, comparing performance metrics like accuracy and ROC curves to select the optimal model.
- **Data Visualization:** Utilized Matplotlib to visualize model results, improving insight into feature impact and prediction accuracy.

PROJECTS

Personal Porfolio Website ([Project Link](#))

Web Development

- Developed a responsive personal portfolio website with HTML, CSS, and JavaScript, achieving full mobile compatibility and 100% responsiveness.
- Showcased 5+ personal projects and incorporated interactive animations, enhancing user engagement by 40%.
- Integrated a functional contact form, streamlining communication with site visitors.
- Tools Used: HTML, CSS, JavaScript

Yoga Pose Prediction ([Project Link](#))

Machine Learning

- Created a model to classify yoga poses from images using Decision Tree, Random Forest, KNN, and CNN; achieved 98% accuracy with CNN on a dataset of 1,081 images.
- Compared model accuracy with a bar graph visualization, demonstrating the effectiveness of CNN for complex image classification tasks.
- Tools Used: Python, Scikit-learn, TensorFlow/Keras, Matplotlib

EDUCATION

Lovely Professional University

Sept 2022 – Present

Bachelor of Technology in Computer Science and Engineering

Punjab, India

- CGPA: 7.8/10.0 ([Btech mark List](#))

Sasi Junior College

Sept 2020 – Sept 2022

Intermediate (MPC)

Andhra Pradesh, India

- Percentage: 94% ([10th mark List](#))