

Akshay Rajinikanth

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EDUCATION

VIT UNIVERSITY

B.TECH IN COMPUTER SCIENCE

Present | Vellore, IN

Vellore Institute of Technology

SCOPE

Cum. GPA: 8.62

CHENNAI PUBLIC SCHOOL

Grad. May 2022| Chennai, India

Class 10: 95 %

Class 12: 90 %

LINKS

Github:// Akshay-Coded

LinkedIn:// Akshay Rajinikanth

Kaggle:// Akshay Rajinikanth

COURSEWORK

UNDERGRADUATE

Data Structure and Algorithm

Design and Analysis of Algorithm

Object oriented programming

Computer Architecture and Organization

Operating Systems

Database Management systems

Computer Networks

Cryptography and Network Security

AWS Solutions Architect

Probability and Statistics

Artificial Intelligence

SKILLS

PROGRAMMING

Languages

Python • Java • C • C++ • R • Matlab •

HTML / CSS • Javascript

Frameworks and Databases:

MySQL • NoSQL(MongoDB) •

OracleSQL • ReactJS • NodeJS •

Bootstrap • TensorFlow • PyTorch

Services:

Jupyter Notebook • Visual studio code •

Git/GitHub • AWS(Beginner) • Tableau •

PowerBI

LANGUAGES

Fluent:

• English • Tamil

Basic:

• Spanish

EXPERIENCE

VOXVERTEX SOLUTIONS | AI/ML AND DATA SCIENCE INTERN

November 2024 – Present | Vellore, TN

- Developed AI models using TensorFlow for diverse application tasks.
- Applied transfer learning to enhance model accuracy and efficiency.
- Collaborated on model integration and testing for real-world applications.

TEAM LAMBDA | AI/ML TEAM MEMBER

January 2025 – Present | Vellore, TN

- Conducting EDA and preprocessing to prepare data for AI model training.
- Building and fine-tuning neural networks for robotic applications.
- Improving performance via hyperparameter tuning for commercial purposes.

PROJECTS

BANGALORE HOUSE DATA PREDICTION [Project Link](#)

- Predicts house prices in Bengaluru using different features.
- Builds a predictive model for accurate price estimates.
- Uses machine learning algorithms to estimate house prices based on inputs.

AMAZON REVIEW SENTIMENT ANALYSIS [Project Link](#)

- Built a sentiment analysis model using NLP(BERT), achieving 90% accuracy.
- Using visualization tools to showcase sentiment trends to get insights.
- Boosted marketing with a 15% improvement through data-driven analysis.

MOVIE RECOMMENDATION SYSTEM [Project Link](#)

- Developed a model using CountVectorizer and PorterStemmer.
- Utilized cosine similarity to recommend movies based on parameters.
- Designed a web interface for improved functionality.

CERTIFICATION

2021	Intro to computer science and programming using python	MITx
2023	IBM Data Science Professional	Coursera IBM
2024	Machine Learning Specialization	DeepLearning.AI
2025	TensorFlow for Deep Learning Bootcamp	Udemy ZTM

PUBLICATIONS

- [1] S. B. Rajinikanth, D. S. R. Rajkumar, A. Rajinikanth, P. A. Anandhapandian, and B. J. An overview of artificial intelligence based automated diagnosis in paediatric dentistry. *Frontiers in Oral Health*, 2024.
- [2] V. R. Umapathy, S. R. B, R. D. S. Raj, S. Yadav, S. A. Munavarah, P. A. Anandapandian, A. V. Mary, K. Padmavathy, and A. Rajinikanth. Perspective of artificial intelligence in disease diagnosis: A review of current and future endeavours in the medical field. *Cureus*, 2023.