ARAVIND R.

Aspiring AI Engineer & Software Developer

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EDUCATION

B.Tech – AI & DS
Saveetha Engineering College
2023 – 2027
CGPA: 7.77

HSC
Sri Saravana Matric Hr Sec School
2022
Percentage: 65.9%

SSLC
Sri Saravana Matric Hr Sec School
2020
Percentage: 85%

SKILLS

AI & ML
Neural Networks • Deep Learning • CNN • RNN/LSTM

Python ML Stack
NumPy • Pandas • TensorFlow • Keras • Scikit-learn

Programming
Java • Python • C • JavaScript

Web/Backend
Flask • Node.js • Express • React.js

Databases
MySQL • MongoDB • Oracle DB • MySQL Workbench

Tools & Platforms
Git • GitHub • AWS • Azure • Vercel
VS Code • IntelliJ IDEA • Eclipse
Jupyter • Colab • Anaconda • Figma

CERTIFICATIONS

- Oracle SQL Certified Specialist
- NPTEL IoT (Elite)
- PyTorch Ultimate (Coursera)
- Azure Learning Challenge
- IBM–Software Engineering

SUMMARY

Motivated engineering student specializing in Artificial Intelligence and Data Science. Strong foundation in neural networks, deep learning algorithms, and full-stack development. Seeking an entry-level opportunity to apply machine learning skills and software development expertise in a dynamic technical environment.

EXPERIENCE

Full Stack Developer Intern Jul 2025
ApproTech (On-Site)
- Developed backend services using Java, Spring Boot, and REST APIs for data-driven web applications.
- Designed and optimized MySQL/Oracle schemas and queries for reliability and performance.
- Built responsive UI components with React/Angular, HTML, CSS, and JavaScript.
- Collaborated in Agile/Scrum teams using Git for version control.

Full Stack Developer Jul 2024
ReTech (On-Site)
- Practiced Java full-stack development using Spring Boot and RESTful APIs.
- Created mini-projects integrating APIs with MySQL/Oracle databases and basic frontend interfaces.
- Gained practical understanding of SDLC and software deployment.

PROJECTS

Neural Network From Scratch (NumPy)
Implemented a 3-layer feedforward neural network including forward pass, loss computation, and backpropagation using only NumPy; trained on a small image classification dataset and analyzed accuracy.

Deep Learning Experiments (TensorFlow)
Built and trained CNN models for image classification; compared optimizers (SGD vs Adam), tuned learning rates, and documented metrics such as accuracy and loss curves.

Classical ML Practice (Scikit-learn)
Applied Logistic Regression, SVM, and Random Forest on tabular datasets; performed preprocessing, feature scaling, train/validation splitting, and model evaluation with standard metrics.

COURSEWORK

Core Concepts: Data Structures & Algorithms, OOP, Operating Systems, DBMS, SDLC, Agile Methodology.