

KRISHNESHWARAN D

AI Enthusiast

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PROFILE

Skilled in Python programming with a strong technical background, having worked on various data-driven projects. Developed custom AOSP ROMs and passionate about AI, Data Science, and software development. Always eager to learn and innovate.

INTERNSHIP

ZF Wind Power

Forecasting Machine Failures with LSTM

July 2024 (Project - 1)

Coimbatore

- Developed a predictive model using LSTM to forecast machine defects, leveraging libraries like TensorFlow, NumPy, and Pandas for data processing and model training.
- Implemented a solution to anticipate when a machine will next experience defects, enabling proactive maintenance and reducing downtime.

Concentration Drop Analysis

August 2024 (Project - 2)

Coimbatore

- Analyzed four years of historical data to predict and manage concentration drops in manufacturing, using a Weighted Average Calculation algorithm to identify reductions caused by different parts.
- Utilized NumPy and Pandas for data processing and developed an interface to track real-time concentration reductions, optimizing production efficiency.

PROJECTS

Deep Facial Recognition Authentication

Developed a deep facial recognition application using TensorFlow and Siamese Neural Networks for one-shot image recognition, integrating it into a Kivy app for user authentication.

Philosophical AI: Conversing with Wisdom

Developed a Philosophical AI that generates insights and responses based on quotes from renowned philosophers, trained using OpenAI's API to facilitate meaningful conversations.

EDUCATION

B.Tech Artificial Intelligence and Data Science

SNS College of Engineering

2022 – Present | Expected July 2026

Coimbatore

CPI : 7.9/10 (After Sem-IV)

Class X and Class XII

RPM Matric School | Suburban Matric Hr.Sec School

2019 – 2022

Coimbatore

SSLC : 75% | HSC : 70%

STRENGTHS

- Python Programming
- Database Management
- Machine Learning
- Android Development
- Linear Algebra
- Discrete Mathematics
- Matrix Multiplication

SKILLS

Programming Languages, Libraries

Python

C++

Android Studio

SQL

Firebase

Linux

Git

NumPy

SciPy

Pandas

Matplotlib

scikit-learn

TensorFlow

PyTorch

CERTIFICATIONS

Certificates from leading tech platforms.

Machine Learning course - Great Learning

Python Programming - Udemy

Job Roles - Amazon AWS

C Programming - Udemy

Azure Fundamentals - Microsoft

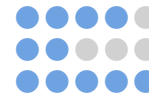
Advanced Analytics - Google

LANGUAGES

English

German

Tamil



PASSION

- Emerging Technologies:** Excited to explore and integrate the latest advancements in AI, machine learning.
- Automation and Efficiency:** Enhancing productivity and streamlining workflows through automation.

OTHERS

- Lead Developer - Andromeda OS
Custom AOSP ROM
- Open source contributor
Github