

# 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

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

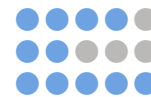
Advanced Analytics - Google

## 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