# ALBIN JEGUS. S
Data Scientist/Python Programmer

*2+* years of Software Experience in Analysis, Designing, Developing of various projects. Passionate about Generative AI building models. Relevant skills include machine learning, problem solving, programming, and creative thinking.

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## EXPERIENCE:

➢ **Software Engineer A3: -(**10/2022-Present)
Partnersoft Technology-Chennai
- Experience in developing project from scratch using agile method.
- Design high level and technical architecture, flow diagram-**Gliffy tool.**
- Lead for **Virtual try-on** Project for creating human avatar and fitting dress with different scenario in **Augmented reality**
- Worked in **Chatbot** development Project.
- Worked in **OCR model** Project using NLP logic.
- Experience to handle audio and huge size images with **Database**.

➢ **Python Programmer:-**(11/2021-10/2022)
Mentor Thesis-Marthandam
- Worked in **Breast cancer detection and classification** project with deep learning model with Computer vision. (**Medical Project-MRI scan**)
- Worked in **Human action recognition** project for producing **subtitle** for the given action video
- Worked in **AWS Lambda with serverless logic** project with deep learning
- Worked in **Licence plate number detection** Project with deep learning
- Worked in **Real and fake face image detection** project using Hierarchical Attentional Model

➢ **Software Technical Trainee**: -(9/2020-10/2021)
IBM (Adroit Technologies)- CBE
- Worked on **Retail-based customer purchase predition project** using TensorFlow.
- Analysed customer data, purchase history to identify relevant feature for prediction
- Corporate trainer in AI, Data science, Bigdata

➢ **Embedded Trainer:-**(1/2020-9/2020)
Xplore IT Corp-Coimbatore
- Experience to handle training.
- Worked on **LOOM data project** with PIC controller with IOT.

➢ **Assistant Professor**: - (4/2014-12/2019)
Park College of Engineering and Technology-Coimbatore

## SKILLS:
- Keras, Pytorch, TensorFlow, Flask, Django,
- MySQL, Mongo DB.
- Pyspark,
- CNN, GAN, NLP, YOLO Transformers, CV, OCR
- LSTM, RNN, Encoder and Decoder, ONNX
- Kafka, Rabbit MQ, Artemis MQ.
- Power BI, Pandas, Matplotlib, Seaborn.
- Html, CSS.
- Block chain and Big data.

## DOMAIN:
**Programs:** -Python, C, C++, Embedded C, Matlab, etc
**AI: -** Machine and Deep learning Data science, Big data, Cloud Computing.,
**Embedded system**: -8051, PIC, ARM, Raspberry pi, IOT
**Devops**: -Git and Jenkins.

## AI-Project models:
**Some deep learning Models,**
Capsule Triple GAN, Hierarchical Attention NN, Tree CNN, DeTraC deep CNN, Capsule Super Resolution GAN, Automatic Graph NN, Enhanced Capsule GAN, Recalling Enhanced RNN, Self-Attenuation Model.
**Optimization:**
Rat Swarm, Red Fox, Nomadic People, Tunicate Swarm

## EDUCATION:
➢ **B.E-ECE**
VINS Christian college of engineering.