

# Rohidh Krishna

## Data Scientist

Well experienced in building data-intensive applications in diverse industries. Capable of developing and deploying adaptive applications for impactful business outcomes. Eager to tackle new challenges.

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### PROFESSIONAL EXPERIENCE

#### Software Developer Intern, iDataLytics

October 2023 - Present

### RECENT PROJECTS

#### Deep Learning Framework with GPU Support

A PyTorch inspired, basic Deep Learning Framework; built on top of an Reverse-Mode AutoGrad Engine.

#### Human Background Segmentation

Segmenting peoples from its background, which can be used for background replacement service for video streaming applications.

#### Movie Recommendation System

A content based movie recommendation system, Used cosine similarity to find similar items.

#### GridGuid - Sudoku Detector & Solver

An Android application in which users can scan any Sudoku board to automatically capture the board configurations and lets users play intuitively.

### OTHER WORKS

#### Image Processing Algorithms

Implemented computer vision (image processing) related algorithms in just pure Python code without using any library (from scratch).

#### Convolutional Neural Network (CNN) Architectures

Implemented some of the famous CNN Model Architectures using PyTorch in Python.

#### Machine Learning Algorithms

Implemented some of the Machine Learning Algorithms in Python using just the Numpy Library.

### SKILLS

- Machine Learning
- Deep Learning
- Computer Vision
- Natural Language Processing
- Generative Adversarial Network
- Mobile/Web Development
- Web Scraping
- Python
- C/C++
- JavaScript
- Flutter, Dart
- SQL (MySQL, SQLite)
- Bash
- Write Technical Articles

### LIBRARIES

- TensorFlow, PyTorch, Keras
- Scikit-Learn
- Pandas, Numpy, Matplotlib
- OpenCV, Scikit-Image
- Flask, etc..

### OTHER SOFTWARES/TOOLS

- AWS (EC2, S3)
- Version Control (Git, Github)
- RegEx, XPath