Infant Raja

Machine Learning Engineer

I am an Highly passionate Machine learning engineer with holistic knowledge of Deep learning, NLP, Computer vision and with the ability to apply ML techniques and algorithm development to solve real world industry problems.

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WORK EXPERIENCE

Deep Learning Engineer
Hertz AI

08/2019 - Present   *Chennai*

An artificial intelligence company focused on providing AI based education system and other cutting edge technologies based product for business.

Achievements/Tasks

- Responsible for Designing and developing a augmented personalized chatbot for teaching, revising and assessing students. Key feature are dynamic content creation from the corpse of data.
- Developed a OCR/ANPR pipeline, which is capable of delivering high efficient and robust results.
- Crawled & Created a custom & synthetic dataset for training models in OCR pipeline. More than 5 Lakh sites are crawled. Automatic crawling effectively reduced the cost of acquiring data's for training.
- Updated & optimized 15+ pre-trained model and fine-tuned with custom datasets

System Administrator
SW Engineering Private Limited

09/2017 - 04/2019   *Chennai*

Achievements/Tasks

- Creating and Maintaining the data for whole organization
- Collaborated with others to achieve goals
- Worked in networking and system support

EDUCATION

Bachelor of Engineering
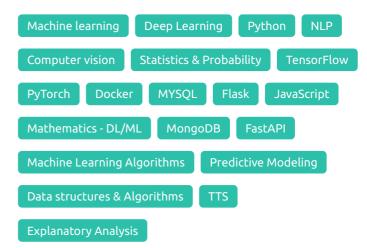#### JNN Institute of Engineering

04/2012 - 04/2016

Courses

- Electrical & Electronics Engineering

Higher Secondary
St. Antony's Matric Higher Secondary School

2012   *Chennai*

SKILLS

Machine learning • Deep Learning • Python • NLP • Computer vision • Statistics & Probability • TensorFlow • PyTorch • Docker • MYSQL • Flask • JavaScript • Mathematics - DL/ML • MongoDB • FastAPI • Machine Learning Algorithms • Predictive Modeling • Data structures & Algorithms • TTS • Explanatory Analysis

PROJECTS

Hevolve.AI (03/2020 - Present)

- Desc : A A.I substitute to teacher.
- It's a augmented chatbot capable of teaching, revising and assessing from any topic the user gives. the content used are dynamically generated for each session.
- The key features are Dynamic question asking ability from corpse of data, and evaluating the answer.
- It is designed to handle smooth user interaction and it can properly handle the edge cases as well.

OCR & Number Plate detection (11/2019 - 02/2020)

- It is a Multi-staged text detection & extraction pipeline which is robust to any type of image/video.
- OCR - Pipeline : Document Classification -> Layout Detection -> Text Detection -> Text Extraction.
- Number Plate detection - Pipeline : Car/Object Detection -> Text Detection -> Alignment Model -> Text Extraction.

LANGUAGES

English
Full Professional Proficiency

Tamil
Full Professional Proficiency

SOFT SKILLS

Problem Solving • Creative • Organizational skills • Critical thinking • Smart working