AMARTYA AMAN

B. Tech. - Electronics & Communication Engineering - MIT - WPU

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BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Looking for a role of AI Developer in a reputable organization to utilize my technical, database, and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector.

KEY EXPERTISE / SKILLS

Python | Machine Learning | Deep Learning | Artificial Neural Networks | Internet of Things | Tensorflow | Computer Vision | CNN | Artificial Intelligence | NLP | Speech Recognition | Object Detection | RCNN | Object Classification | SQL Server | MongoDB | Flask | API | Regression Models | Optimization

EDUCATION

Dr. Vishwanath Karad MIT World Peace University (MIT-WPU) 2017 - 2021

B. Tech. - Electronics & Communication Engineering - MIT - WPU | CGPA: **8.44** / **10.00**

Pace Junior Science Collage, Mumbai 2017

12th | MSBSHSE | Percentage: **71.00** / **100.00**

Bal Bharti Public School, Mumbai 2015

10th | CBSE | Percentage: **80.40** / **100.00**

INTERNSHIPS

Cynapto Technologies June 1, 2020 - March 31, 2021

Key Skills:

AI | Machine Learning | Deep Learning | Neural Networks | Flask | API | API Testing | Database Management | SQL Server | MongoDB | Front-End Web Development | Client Server Model | Optimization Techniques | Computer Vision | Industry level deployment

I discerned what a company seeks in an intern with experience in software design, coding and debugging. I as an intern gained exciting real-world software engineering experience at a thriving company. More importantly I realized the importance of deadline and working in collaboration with others. I worked there as an AI developer frequently working in small teams and solving problem statements, exploring new technologies and learning from one another.

PROJECTS

ANPR(Automatic number plate recognition) Sept. 1, 2020 - March 31, 2021

Mentor: Prajakta Pardesi | **Team Size:** 1

Key Skills: ML | OCR | Neutral Network | Object Detection | Object Recognition

Automatic Number Plate Recognition (ANPR) is a highly accurate system capable of reading vehicle number plates without human intervention through the use of high-speed image capture with supporting illumination, detection of characters within the images provided, verification of the character sequences as being those from a vehicle license plate, character recognition to convert image to text; so ending up with a set of metadata that identifies an image containing a vehicle license plate and the associated decoded text of that plate.

Neural Network from Scratch in TensorFlow May 31, 2020 - May 31, 2020

Mentor: Prof.Amit Yadav | **Team Size:** 1

Key Skills: Data Science | Deep Learning | Mathematical Optimization | Artificial Neural Networks | Tensorflow

Implemented a neural network from scratch using TensorFlow and solved a multi-class classification problem using the neural network implementation. A coursera Project.

Drowsiness Alert March 16, 2020 - May 29, 2020

Mentor: Prof. Anuja Ashkedkar | **Team Size:** 2

Key Skills: Face Recognition | Facial landmark Recognition | Computer Vision | Machine Learning | Optimization

A drowsiness alert model that works on width of eye also width and shape of he mouth to detect whether the person driving is yawning of not. These parameters decides if the person is drowsy.

OCR (Optical Character Recognition) Nov. 1, 2019 - Jan. 25, 2020

Mentor: Prof. Arti Khaparde | **Team Size:** 1

Key Skills: Artificial Neural Networks | Text Classification | Image Segmentation | Digital Image Processing

Optical character recognition or optical character reader (OCR) is the electronic conversion of images of typed, handwritten or printed text into machine-encoded text, whether from a scanned document, a photo of a document using python module pytesseract.

Motion Detector Vehicle

July 1, 2019 - Sept. 30, 2019

Mentor: Prof.S.Kukade | **Team Size:** 3

Key Skills: Circuit Design | Circuit Debugging | Sensors | Aurdino

Tweet Classification

July 15, 2019 - Sept. 15, 2019

Mentor: Prof.V.V.Deshmukh | **Team Size:** 2

Key Skills: Python | Naive Bayes Classification | OpenCV | Internet of Things | Machine Learning

FM Modulation

March 4, 2019 - May 31, 2019

Mentor: Prof.R.S.Bhadade | **Team Size:** 3

Key Skills: NI Multisim | Communication | Radio Communication

Gateway Counter

March 4, 2019 - May 31, 2019

Mentor: Prof.Savitri Jadhav | **Team Size:** 3

Key Skills: Sensors | Circuit | Microcontrollers | 8051 Microcontroller

Third Eye for blind

Nov. 1, 2018 - Jan. 31, 2019

Mentor: Prof.S.Kukade | **Team Size:** 2

Key Skills: Sensors | PCB Design | PCB | PCB Soldering

ASSESSMENTS / CERTIFICATIONS

Introduction to Machine Learning

Aggregate: 66.0 / 100.0
Subjects: Machine Learning (66.0 / 100.0)

Key Skills: Machine Learning | Logistic Regression | SVM

Machine learning facilitates computers in building models from sample data in order to automate decision-making processes based on data inputs. Any technology user today has benefitted from machine learning.

Deep learning Specialization

Aggregate: 96.2 / 100.0
Subjects: Structuring Machine Learning Projects (89.0 / 100.0) , Neural Networks and Deep Learning (98.0 / 100.0) , Convolutional Neural Networks (99.0 / 100.0) , Sequence Models (100.0 / 100.0) , Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (95.0 / 100.0)

Key Skills: Artificial Neural Networks | Deep Learning | CNN | TensorFlow

Issuing organisation-Coursera.The Deep Learning Specialization is designed to prepare learners to participate in the development of cutting-edge AI technology, and to understand the capability, the challenges, and the consequences of the rise of deep learning. Through five interconnected courses, learners develop a profound knowledge of the hottest AI algorithms, mastering deep learning from its foundations (neural networks) to its industry applications (Computer Vision, Natural Language Processing, Speech Recognition, etc.).

SEMINARS / TRAININGS / WORKSHOPS

IEEE PuneCon 2019-Machine Learning And Deep learning

Dec. 18, 2019 - Dec. 20, 2019

Institute Name: Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)

Key Skills: Machine Learning | Deep Learning | Neural Networks

IOT Workshop

Institute Name: Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)

Key Skills: Internet of Things | Machine Learning

Machine Learning

Institute Name: Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)

Key Skills: Machine Learning

Deep Learning

Institute Name: MITWPU - Faculty of Engineering

Key Skills: Artificial Intelligence | Neural Networks | Machine Learning | Deep Learning

Python programming workshop

Institute Name: Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)

Key Skills: Python

CO-CURRICULAR ACTIVITIES

- Participated in Various Competitions of MIT Texphr
- Participated in Smart India Hackathon 2020

EXTRA CURRICULAR ACTIVITIES

- Volunteer at MAKE A DIFFERENCE Foundation (NGO)
- Head of MIT WPU photography club
- Committee Head of SUMMIT-2018 (National Level Sports Meet)
- Volunteer at SUMMIT-2017(National level Sports Meet)
- Winner of GAMA 2017 (Inter College turf football tournament)

PERSONAL INTERESTS / HOBBIES

- Photography
- Trekker
- Socialist
- Sports(Football, Basketball, Badminton)

WEB LINKS

- LinkedIn - https://www.linkedin.com/in/amartya-aman-95a92b18b

PERSONAL DETAILS

Gender: Male
Marital Status: Unmarried
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