ASHWIN PHADKE

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Professional Summary:

AI and Deep Learning Engineer with 1.2+ years of experience developing solutions using computer vision, NLP, machine learning techniques and improving algorithmic and computational efficiency.

Education:

- Bachelor of engineering(2018) : Electronics and Telecommunications – 64.20%
  P.E.S Modern College of Engineering, Pune.

Skills:

Languages	Tools	Technologies	Operating Systems
• Python • C, C++ • Java • Rust(intermediate) • Web Stack • SQL	• Scikit-learn • Tensorflow • Keras, Caffe • OpenCV • Matlab • Numpy • PyTorch • Watson API • Api.ai • Git, Bugzilla	• Algorithms • Design and Development • Android • NVidia-Cuda	• Linux • Windows

Coursework:

- C/C++ - IIT Bombay Spoken Tutorials.
- Android application development and networking – Udacity.
- AI and Computer Vision(Ongoing) - Udacity
- Python 3 – SoloLearn platform.
- Java – Sololearn platform, Udacity.
- Computer Networks – Udacity
- Principles of Machine Learning(non-audit) – edX
- Stanford – cs229, cs230

Professional Experience:

CLASS Pvt. Ltd – Deep learning and Computer vision Mentor
March 2019– May 2019

- Mentored a NASSCOM incubated startup in starting up their deep learning and computer vision journey by setting up and managing a team of interns and training them in deep learning concepts.
- Trained and helped develop deep learning based application for their app based product and running inferences on device and cloud.
- As a social responsibility to guide students and startups in their AI journey.

Cynapto Technologies – Jr. Engineer AI and Deep Learning
August 2018 – Present

- Design, Implemented and supervised the development of computer vision and machine learning algorithms for automative products using neural networks.
- Improve computational and algorithmic compatibility for algorithms, NVidia GPU's(1080), NVidia TX2, Google coral for multi-processing and threading, async calls for better efficiency.
- Develop image processing and video analysis solutions for multi object detection and tracking, facial recognition, heat maps , segmentation , instance differentiation.
- Worked on lane detection, driving decision analysis, semantic segmentation, driver safety services, pedestrian detection, traffic proximity warnings, in-car monitoring and V2V protocol for road safety.
- Develop machine learning, NLP, sentiment analysis implementations on images, textual or bots for getting insights on the datasets and improving them further.
- Worked on tuning, training and modelling algorithms on self made and open source datasets accounting to 300GB+.

Academic Projects:

IoT and AI based Smart Breach Prevention System:

- A smart solution to securing bank lockers using multi-level authentication system based on Geofencing, Biometric scan and OTP verification with safeguards using OpenCV based face detection and recognition with real-time notification on web portal and face capture. Google assistant support for differently abled and ease of use using IBM Watson and chatbot integration.

Healthcare Informatics using Aadhaar (Social Security Number in USA)) and Biometrics:

- A system to bring healthcare on a universal platform for all medical data of a person with biometric authentication using a real-time web portal and hybrid app for managing data by staff, patients and doctors with medical history, medical data, previous treatments, vaccinations and analytics using the data.

Online Examination Portal:

- End-to-end data analytics solutions for improving student grades using a cross-platform portal to conduct in house multiple choice questions examinations.

RFID based Library Management System:

- Real-time database with student cards to identify and manage entire college library and all of its function through developed software.

Contributions:

- Speaker : AI in Security and Retail – MIT-WPU, Pune
- Delegate: India Tech Conclave
- Speaker : Computer Vision and Machine Learning -- COEP Mindspark18
- Speaker : Cyber Security Workshop – P.E.S Modern College of Engineering, Pune
- Speaker: Open Source Technologies – COEP, Pune.
- Mozilla Firefox community member, volunteer, developer and QA.
- Finalist: Smart India Hackathon – Govt. Of India
- IoT Hackathon.

Additional Skills;

Languages: English, Hindi, Marathi and German - Elementary**.**

Personal Interests:

College Club Reporter Maharashtra Times newspaper (Pune), Rotary (Rotaract) Club,

Badminton, Cycling, Tech meetups.