

Siddhesh Gunjal

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EDUCATION

University of Mumbai

Bachelor's Degree, Mechanical

Agnel Polytechnic, Vashi

Diploma, Mechanical

Navi Mumbai, India

June 2015 – May 2018

Navi Mumbai, India

June 2012 – April 2015

EXPERIENCE

Apaar Information systems

ML Engineer

Currently engineering ML Systems for Healthcare, Banking & Insurance, FMCG, Retail & Manufacturing industries. Developing Emo-Detect, a user emotion tracking application through CCTV & personal computer, Custom closed-source LLM for Indian GST system, deployed NLP based document analyser to save around 70% time and minimize human error in the processing pipeline. Deployed Multiple WebAR Apps with custom ML based image tracking on client side to increase engagement by 80% and lead conversion by 40%.

Tech-stack: Python, Dart, JavaScript, Flutter, AWS, Docker, Elasticsearch, MongoDB, GitHub workflow, SQL, CUDA/Cudnn, TensorRT

Navi Mumbai, India

Oct 2022 – Present

upGrad

Adjunct Faculty | Data Science Coach

As a Data Science Coach my work is to deliver sessions to small groups of people explaining them core concepts of the ML and AI, solving doubts, guiding them to solve actual world problems with Data [1].

Topics covered: Machine Learning, Computer Vision, Natural Language Processing, Reinforcement Learning.

Mumbai, India

Mar 2020 – Mar 2023

LivePixel Technologies

ML & XR Developer

Deployed multiple MR Experiences with nReal MR glasses [2] for Science Museum (Government project) to increase student engagement by 90%. Developed DL based motion control & NLP based voice control software for 3D holograms for human like interaction with digital character. AR Car showroom app (Android/iOS) to experience and shop automotive from your home. RatLab VR program to allow medical students learn operation procedures and increase their confidence by 40% during actual procedure/practical.

Tech-stack: Python, JavaScript, C/C++, C#, PHP, SQL, AWS, GCP, Unity Engine, Unreal Engine 4 & 5, SolidWorks, AutoCad, Blender

Navi Mumbai, India

Jul 2020 – Sep 2022

Machine Learning Specialist

Freelance Project Developer, Trainer, Consultant

As a project developer, I operate the overall planning and development of ML/DL models and related services. I Have worked on and successfully completed variety of projects.

Tech-stack: Python, JavaScript, R, C/C++, C#, PHP, SQL, Docker, Tableau AWS, GCP, IBM, CircleCI, CUDA/Cudnn, TensorRT

Mumbai, India

Nov 2018 – Aug 2020

Bombay Stock Exchange Limited

Visiting Professor

With a strong vision to create a platform for genuine training and education in the Financial Markets BSE established its learning arm BSE Institute Ltd. As a visiting faculty at BSE institute, I taught following subjects:

Machine Learning with python, Deep Learning, Data visualisation with R

Mumbai, India

Aug 2019 – Mar 2020

Artificial Intelligence In-depth Course

Teaching Assistant | Professor: [Vikramank Singh](#)

Taught implementation of various projects using various deep learning models like AI in Self Driving Car (Vanilla model by Nvidia), Q-learning in simple Atari game, Data visualization and produced a document to debug the code of AI in Self-driving car.

Mumbai, India

Feb 2018 – Jul 2018

OPEN SOURCE CONTRIBUTION

Slackker

Author | **GitHub:** [slackker](#) | **Articles:** [3] [4] [5]

slackker is a python package for monitoring your Keras training status in real-time on slack & telegram. It can send you update for your ML model training progress and send final report with graphs when the training finishes. So now you don't have to sit in front of the machine all the time. You can quickly go and grab coffee downstairs or run some errands and still keep tracking the progress while on the move.

SKILLS

Programming Languages: Python, R, C/C++, C#, Java, JavaScript, Dart, PHP

Machine Learning: TensorFlow, Keras, PyTorch, Computer Vision, Natural Language Processing, Reinforcement Learning

Technical Skills: CUDA/Cudnn, TensorRT, Tableau, Flutter, Docker, IBM Watson, Amazon Web Services (AWS), Google Cloud Platform (GCP), CircleCI, Unity Engine, Unreal Engine 4 & 5, SolidWorks, AutoCad, Catia, Blender.

TALKS, MEETUPS AND LECTURES

Industry Expert Talk on "Deep Learning – A revolution in Mechanical and Automobile Industry at Pillai College of Engineering [6]

Speaker on "Machine Learning and Artificial Intelligence workshop" at Indian Institute of Technology, Kanpur (IIT Kanpur) – Techkriti 2020 (Non-Core weekend) [7]

Hands-on workshop on "Deep learning in Computer Vision" at 91springboard [8]

Keynote Speaker on "Q-Learning in ML and Game Development Demo" at Big Data Mumbai v 14.0 - Come to code [9]

Keynote Speaker on "TensorFlow and neural network implementation for Self-Driving Car" at Big Data Mumbai v12.0 - Intelligent bots and Self-driving Cars [10]

Guest Faculty/Speaker on "Git and GitHub" at Vidyalankar Institute of technology, Mumbai in Gadget Guru 2018 [11]