Siddhesh Gunjal

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EDUCATION

University of Mumbai **Navi Mumbai, India**
Bachelor's Degree, Mechanical *June 2015 – May 2018*

Agnel Polytechnic, Vashi **Navi Mumbai, India**
Diploma, Mechanical *June 2012 – April 2015*

EXPERIENCE

Apaar Information systems **Navi Mumbai, India**
ML Engineer *Oct 2022 – May 2024*

Currently building gstGPT (GenAI powered GST solution for businesses). Building AI powered Code assist tool to Turbo Charge development process (up to 75% time saving) for SDE team. Developed Emo-Detect [1], a user emotion tracking application through CCTV & personal computer to analyse on-floor behaviour. Deployed Multiple WebAR Apps with custom ML based image tracking on client side to increase engagement by 80% and lead conversion by 40% [2] [3]. Deployed NLP based invoice processor to save around 70% time & minimize human error in invoice processing.

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

upGrad **Mumbai, India**
Adjunct Faculty | Data Science Coach *Mar 2020 – Mar 2023*

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 [4].

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

LivePixel Technologies **Navi Mumbai, India**
ML & XR Developer *Jul 2020 – Oct 2022*

Deployed multiple MR Experiences with nReal MR glasses [5] 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 [6]. AR Car showroom app (Android/iOS) to experience and shop automotive from your home [7]. RatLab VR program to allow medical students learn operation procedures and increase their confidence by 40% during actual procedure/practical [8].

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

Machine Learning Specialist **Mumbai, India**
Freelance Project Developer, Trainer, Consultant *Nov 2018 – Aug 2020*

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

Bombay Stock Exchange Limited **Mumbai, India**
Visiting Professor *Aug 2019 – Mar 2020*

My responsibilities were to teach Advanced Data Analytics for stock market and create live dashboards with R-shinny. Tableau integration with R-server for advanced analytics.

Topics covered: Machine Learning with python, Data visualisation with R (R-Shinny), Tableau, R-server integration with Tableau

riidl (Research Innovation Incubation Design Laboratories) **Mumbai, India**
*Teaching Assistant | **Professor:** Vikramank Singh* *Feb 2018 – Jul 2018*

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 (Checkers & Flappy Bird), Data visualization and produced a document to debug the code of AI in Self-driving car.

OPEN-SOURCE CONTRIBUTIONS

Slackker
*Author & Maintainer | **GitHub:** slackker*

TableQA
*Contributor | **GitHub:** tableQA*

Aya
*Contributor | **HuggingFace:** Model, Dataset*

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

Judge at "DataHack 2.0" organized by DJS S4DS hosted at Dwarkadas J. Sanghvi College of Engineering [9]
Live-Coding webinar on "Build & Dockerize your Computer Vision APIs on AWS" [10]
Industry Expert Talk on "Deep Learning – A revolution in Mechanical and Automobile Industry at Pillai College of Engineering [11]
Speaker on "Artificial Intelligence workshop" at Indian Institute of Technology, Kanpur (IIT Kanpur) – Techkriti 2020 (Non-Core weekend) [12]
Hands-on workshop on "Deep learning in Computer Vision" at 91springboard [13]
Keynote Speaker on "Q-Learning in ML and Game Development Demo" at Big Data Mumbai v 14.0 - Come to code [14]
Keynote Speaker on "Intelligent bots and Self-driving Cars" at Big Data Mumbai v12.0 [15]
Guest Faculty/Speaker on "Git and GitHub" at Vidyalankar Institute of technology, Mumbai in Gadget Guru 2018 [16]