

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

Navi Mumbai, India

Oct 2022 – Present

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

LivePixel Technologies

ML & XR Developer

Navi Mumbai, India

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

Bombay Stock Exchange Limited

Visiting Professor

Mumbai, India

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)

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

Mumbai, India

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 [\[16\]](#)