

MIHIR TALE

mihir.tale18@vit.edu
9860455599
PUNE
DOB: 20/04/2001



[linkedin.com/in/im-mihir/](https://www.linkedin.com/in/im-mihir/)



github.com/mstale007

EDUCATION

Honors In Artificial Intelligence and Data Analytics

Vishwakarma Institute of Technology
08/2018 – Present

B.Tech Computer Engineering

Vishwakarma Institute of Technology
09/2018 – Present
CGPA: 8.98

Higher Secondary School

Asian Jr. College of Science
08/2017 – 03/2018
Percentage: 86.3%
Achievements

- Qualified JEE Advanced with All India Rank 8628 out of 200,000.

Secondary School

Sinhagad City School
05/2014 – 05/2016
Percentage: 91%

WORK EXPERIENCE

AR/VR Developer

28 Architects

01/2020 – Present

Achievements/Tasks

- Developed AR application for interior designing for customers to get better clarity while choosing interior designs

Flutter Team Lead

Google Developer Student Club, VIT

11/2019 – Present

Achievements/Tasks

- Developed mobile/web application in Flutter for supporting local business

Machine Learning Engineer

The Robotics Forum, VIT

07/2019 – Present

Achievements/Tasks

- Developed and applied Machine learning and Deep learning algorithms for solving real life problems.

Machine Intern

Microsoft AEP

SKILLS



Languages: Python , C , C++ , Java, MATLAB
Frameworks: Flutter, Android

PROJECTS AND PUBLICATIONS

- **iSpeakFree.ly - Your Pocket Interpreter**

Developed a Mobile application that converts sign language into the desired spoken language (Text) by capturing gestures and facial expressions of the user using a mobile camera. For people with hard hearing problems that prefer using sign language using Deep Learning algorithms which includes LSTMs for translation.

- **Document Summarization and Classification**

Developed a python program that generates a summary for a document and classifies it in given types. The no. of words can be reduced by up to 40% in some cases.

- **AI Game Bot for Multiple games**

Made an AI game bot that can play multiple games based on algorithms such as Policy gradients, Q Learning, and Genetic algorithm given just raw pixels as input. Also, a Game for which 2 AI players compete against each other and ultimately improve each other.

- **Virtual Tourist Guide using AR**

Developed a mobile application for tourists to have a immersive and natural experiences for traveling using AR. The app provides location-based markers on top of monuments and has an interactive AR tourist guide throughout the journey.

- **The Avengers Inside**

Published a Google Assistant app that takes a personality test and assesses user the most suitable comic-book character according to his OCEAN scores.

- **Parko-The Parking Assistant**

Developed a mobile app that lets you know parking slots available in a public place before even visiting it, using NodeMCU wifi Development Board inside the malls and Firebase database

- **Visualisation of Wave-Particle Duality**

A experiment to give a intuition about wave-particle duality.

Achievements/Tasks

- Completed NLP related projects.

Android Developer

Wingrow Agritech

11/2019 – Present

Achievements/Tasks

- Developed an Android application to store the data of farmers in Database and representing it in a structured manner in Google sheets using Firebase and Appscript

CERTIFICATIONS

- **AI From the Data Center to the Edge – An Optimized Path Using Intel® Architecture**

Intel

An online course and exam by intel for AI algorithms and how to optimize it using Intel Architecture.

- **Intermediate ML on Google Cloud Platform**

Qwiklabs

Building training and deploying machine learning models on Google cloud platform.

- **Machine Learning API's**

Qwiklabs

Using Google's host of API's, implementing an AI Chatbot with Dialogflow and Detecting Labels, Faces, and Landmarks in Images in GCP.

- **Intro to ML: Language Processing**

Qwiklabs

Extracting entities from text, and perform sentiment and syntactic analysis as well as use the Speech to Text API for transcription in GCP.

ACHIEVEMENTS

- **JEE Advanced: Physics**

Cracked JEE Advanced with 70 out of 130 in Physics.

- **Google Build For Digital India**

Selected in top 15 from 3500+ teams all over India and got mentorship by professionals at Google.

- **Byte Code**

Winner at Byte Code a python coding competition held all over college.

- **Cathlon**

Runner up at C/C++ Coding competition held all over college

- **Goethe Zertifikat A2: German Level A2**

Received Level A2 certification for German language proficiency exam conducted by Goethe Institut.

LEADERSHIP AND TEACHING EXPERIENCE

- **MLFest 2k19**

Taught almost 100+ students, the mathematics behind traditional Machine Learning Algorithms and code them from scratch in Python

- **Flutter Workshop**

Taught over 50+ students mobile application development in Flutter. From basic common widgets to integrating Firebase Database to using ML.

- **CloudFest (10/2019 – 10/2019)**

Taught over 50+ students the basics of Google Cloud Platform and its usage, workshop that took place under Developer Student Clubs

- **Actions on Google Workshop**

Lead a workshop on Actions on Google which was focused on teaching how chatbot's work and existing platforms like DialogFlow to make application for Google Assistant and deploying them globally, with almost 80+ attendees.

- **Python Workshop**

Helped over 100+ students get started with python development for machine learning

OPEN SOURCE CONTRIBUTIONS

- **Google Teachable Machine 2.0**

Made an android app that takes input the trained tflite files and labels and runs an image classification model in real-time and provides predictions on-Device. So the users that trained their model on TM2.0 could directly start using it on mobile

SOCIAL WORK

- **Go green**

Competition to help the society and people around you in your own creative ways as much as possible within a limited period of time.

- **Umang 2019**

This activity helped the blind students understand topics from NCERT (board) exams by making the audio/video clips explaining chapters in syllabus that would help them study and learn things easily. The audio/video clips were uploaded on our YouTube channel: Umang2k19.

INTERESTS

- ❖ Theoretical Physics
- ❖ Maths
- ❖ Programming
- ❖ Wearable Electronics
- ❖ Entrepreneurship