

# Aashrut Vaghani

Founder & CEO, Agent Crop | IT Engineer  
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GITHUB | STACKOVERFLOW | HACKERRANK | LINKEDIN

## EDUCATION

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**BACHELOR OF ENGINEERING (BE) INFORMATION TECHNOLOGY**  
CGPA: 8.02

June 2019 - June 2023  
Surat, Gujarat, India

**KAUSHAL VIDYABHAVAN**  
**CLASS 12 (GSEB) SCIENCE (PHYSICS, CHEMISTRY, MATHEMATICS)**  
Percentage: 87.70%

June 2017 - May 2019  
Surat, Gujarat, India

**BALDHA DAYABHAI V. PITHAVADIWALA MADHYAMIK SHALA**  
**CLASS 10 (GSEB)**  
Percentage: 91.33%

June 2016 - May 2017  
Surat, Gujarat, India

## EXPERIENCE

**AGENT CROP | FOUNDER & CEO**

Surat | March 2023 – Present

- Started Agent Crop as Design Engineering Project to help farmers detect diseases in their crops and get the treatment suggestions.
- Agent Crop is now part of Microsoft for Startups and Google Cloud for Startups Programs.
- Created CNN model using Tensorflow and Keras, and then used ONNX for inference.
- Built Website with API using Python and Flask and Mobile Application using Flutter and Dart for the Agent Crop.
- Deployed website and inference system on Microsoft Azure.

**DEVOTEE INFOTECH PVT. LTD. | ML ENGINEER INTERN**

Surat | February 2023 – April 2023

- Created Machine Learning and Deep Learning Mini-Projects.
- Improved my existing project Agent Crop and increased its Accuracy to 98%.

**TATA CONSULTANCY SERVICES | TCS ION REMOTE INTERNSHIP**

Remote | June 2022 – July 2022

- Built a Deep Learning model in Python programming language that detects type of sentiments (Negative or Positive) in English sentences using various Natural Language Processing Concepts and Libraries.

## SKILLS

PROGRAMMING LANGUAGES	Python, Java, JavaScript, SQL, Bash, Dart
LIBRARIES/FRAEMWORKS	Flask, Pandas, NumPy, TensorFlow, NLTK, Scikit-learn, Node.js, Flutter
TOOLS / PLATFORMS	Unix/Linux OS, Git, GitHub, Microsoft Azure, AWS, Google Cloud Platform, Android, Computer Networking, Power Automate
DATABASES	MySQL, SQLite 3, MongoDB, PostgreSQL

## PROJECTS / OPEN-SOURCE

**AGENT CROP | [LINK](#)**

HTML, CSS, JavaScript, Flask (Python), Deep Learning

- Agent Crop is a Crop Disease Detection System and Cure Suggestion System. It implements various deep learning libraries to build Efficient Neural networks. It has an accuracy of around 98% as of now. It has an API that returns JSON data containing details about the disease, symptoms, and its possible cure with a reference site. I have also created an Android App for Agent Crop using flutter.

## AGENT LOCK: CUSTOMIZE YOUR BORING SCREEN LOCK | [LINK](#)

Android, Java, XML

- Agent Lock is a custom locking solution for Android. It allows users to select their preferred Icon, Name and Locking Sound.
- What it does? It will create a Shortcut similar to a normal app icon, but with your customizations, like Icon and Name. And when you tap on that shortcut, it will lock your device and play your selected locking sound.

## BIMBA AI IMAGE GENERATOR | [LINK](#)

Android, Java, XML, Cloudflare Workers AI

- Bimba uses Stability AI's Stable Diffusion model to generate Image from user's prompt.
- I used Cloudflare's Workers AI to leverage the free servers and used it in my application.

## CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900) - **MICROSOFT**
- Google IT Support Professional Certificate - **COURSERA**
- IBM Data Science Professional Certificate - **COURSERA**
- Advanced Data Science with IBM Specialization - **COURSERA**
- CS50x: Introduction to Computer Science - **HARVARD UNIVERSITY**

## HONORS & AWARDS

- Agent Crop is selected for NASSCOM 10,000 Start-ups Virtual incubation program at Mumbai Hub.
- Agent Crop is accepted in Microsoft for Startups.
- Got selected in Amazon ML Summer School 2022.
- Achieved Ultimate Milestone in Google Cloud Ready Facilitator and 30 Days of Google Cloud Program.
- Got into Top 10% and was Advanced from Open Division to Pro Division in AWS DeepRacer League 2021.
- Rewarded with a total of \$350 for reporting two Vulnerabilities to Codecademy on HackerOne.
- Got selected in Microsoft Student Partner Program in 2020 and achieved Beta Level.