



# BHARAT VORA

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## CAREER OBJECTIVE

Experienced individual with vast technical skills seeking a position in a progressive organization to contribute with solid abilities. I am willing to accept a challenging position in a competitive environment and am strongly perseverant to work with dedicated people.

## EDUCATION

### Artificial Intelligence and Machine Learning

Jan 2022 - Aug 2023

Post Graduate Certificate - GPA: 3.37/4.00

Lambton College, Toronto

### Computer Engineering

Aug 2016 - Aug 2020

Bachelor's of Engineering - GPA: 3.70/4.00

Gujarat Technological University, India

## SKILLS

### Technical Skills

Python, C++, MySQL, PostgreSQL, MongoDB

### Web Technologies

HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, React, Django, Flask

### Machine Learning and Statistics

Scikit-learn, Keras, TensorFlow, Pandas, NumPy, and algorithms

### Cloud and Other Skills

AWS, Heroku, Git, Jira, Postman, Microsoft Office

### People Skills

Teamwork, Leadership, Communication, Presentation, Discipline

## PROFESSIONAL EXPERIENCE

### Software Engineer II

#### *The World of Tile*

Apr 2022 - Present

- Working as a full stack engineer to build a robust web application in Django, PostgreSQL, and AWS.
- Creating new designs for home tile decoration to give customers an overall look.
- Uses Amazon Web Services, especially EC2 and BeanStalk, to host applications.
- Developing API services for inventory management system along with Unit testing.

### Associate Software Engineer

#### *Accenture Solutions Pvt. Ltd.*

Jul 2021 - Jan 2021

- Working as a backend developer to build a robust web application in .NET technology.
- Trained on .NET technology and Duck Creek Tools.
- Actively communicating with international clients from the USA and Japan to provide backend support.
- Worked on Postman and analyzed the APIs by doing Unit Testing.

### Full Stack Developer

#### *Lionheartapps Pvt. Ltd.*

Feb 2021 - Jun 2021

- Involved in the full stack technologies to design and build web and mobile applications.
- Designed and developed the mailing templates by using Adobe Photoshop.
- Created CRUD APIs and used third-party APIs like MSG91, Twilio, and OpenWeatherMap.
- Worked with AWS and Heroku for Hosting and Server Configuration.

## PROJECTS

### The Wireless Agriculture Robot

- Constructed wireless robot which can be controlled over the internet, also can work autonomously, detect, and identify diseases in the plant.
- Pre-processed and analyzed 86,000 leaf disease data and implemented deep learning models using Python libraries, Keras and TensorFlow.
- Used Convolutional Neural Network model to detect and classify disease in the plant by capturing a photo of the plant using a camera fitted on a robot.

- Used AWS web service to stream the robot's camera photos to mobile application in farmers' mobile so they can easily control a robot.
- Followed the Test-Driven Development and Agile methodologies to adapt to the required changes quickly.

### Quarantine Reward

- The web and mobile applications make people not bored in lockdown by doing exciting activities like playing games, exercising, etc.
- Used Deep Learning library, Keras to detect activity from the user-uploaded video.
- Worked with Image ResNet to identify the objects in the video.
- Implemented Twitter API for the latest news and Paytm wallet API for fund transactions.

### Inventory Management System

- Developed responsive web application with around 18 modules, including bill generation, email and text message alerting, and monthly reports for vendors and admins.
- Implemented Restful API for each feature to build Flutter mobile application.
- Used Twilio APIs for Whatsapp and Text messaging.
- Extensively used jQuery and Ajax for runtime end-user scripting.
- Used Jira Software and Agile SDLC to adapt to the client requirements.

### Commuters Guide

- Build a website that helps commuters, travellers & ordinary people to choose the fastest, shortest & best route for their journey.
- The app also has an "Event" feature, where users can generate an event for their vehicle to lift someone from their route way to their destination.
- Used APIs for Railways and Buses to compute the time between destinations.
- Used Google Map APIs to show the route path for users
- Used Java web framework JSP as a backend support.

### River Monitoring System

- Created IoT device to measure various attributes of river water, such as PH, TDS, Turbidity, and web portal to analyze measured data.
- Web portal for easy access to authority.
- Used Machine Learning, Random Forest algorithm to classify and predict the outcomes of whether the water is drinkable or not.
- Worked with City Municipal Corporation for live data to feed model.

## ACHIEVEMENTS

### Finalist of Smart India Hackathon 2020 - Hardware Edition

- Secured the **second position** in the world's largest hackathon with the project "The Wireless Agriculture Robot."
- Provided a solution for the agriculture problem defined by the **Government of Uttarakhand**.
- Had a chance to work with the Uttarakhand government officers and industrial experts.

### Innovative Student Startups

- Participated in the college-level startup competition, **Innovative Startups**, and secured the first position.
- Honoured by the CEO of NIN Ventures, USA

### Student Startup Innovation Program (SSIP)

- Received a grant of **11,000 INR** from the **Government of Gujarat** for final year project.
- Got the continuous support from industries mentor as well as Government officers.

## MOOCs

- Introduction to Artificial Intelligence by IBM (Coursera)
- AWS Fundamentals by Amazon Web Services (Coursera)
- Neural Network and Deep Learning by deeplearning.ai (Coursera)
- Introduction to Programming using Python by SOLO Learn
- Professional Cloud Developer (Udemy)
- Completed Agile methodologies certification with more than 70% from Accenture myLearning platform.

## CO-CURRICULAR

- Appointed as a **Leader** of the **Google Developer Student Club**.
- Selected as a **mentor** at **UofTHacks X** at the **University of Toronto**.
- Selected as a **mentor** at **nxHack** at the **University of British Columbia**.