

# Vaibhav Jayraj Mandavkar

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## Education

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### VIT Bhopal University

M.Tech

Artificial intelligence and data science

GPA: 8.73/10

Bhopal, Madhya Pradesh

Expected May 2026

### NBN Sinhgad School of Engineering

B.E

Computer science and engineering

GPA: 8.45/10

Pune, Maharashtra

May 2021

### T. P. Shetye Jr. college

12<sup>th</sup> Standard

Maharashtra Higher Secondary State Board

Percentage: 74.15%

Ratnagiri, Maharashtra

May 2017

## Work Experience

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ASE - Accenture

July 21 - March 23

Pune

- Crafted Duckcreek software solutions to meet client requirements, business objectives, resolving 30+ defects arising from unstable code by performing root cause analysis, troubleshooting technical issues & debugging errors using Trace Monitor to provide resolutions.
- Independently managed client meetings including presentations, requirement gathering, and clarifications ensuring smooth communication and project alignment.
- Joined the Warranty Team to resolve Priority 2-4 production bugs in a 2-week sprint cycle, collaborating with onshore teams for issue validation, solution design, and implementation.
- Tools & Technologies: Worked with Duck Creek Policy, C#, Azure DevOps, Splunk, and Duck Creek Tracer; earned Duck Creek Policy Certification.

## Projects

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Driver Drowsiness Detection

January 2021

- Developed a cross-platform smartphone app using Flutter and TensorFlow Lite to monitor driver alertness.
- Integrated Firebase ML Kit for real-time eye tracking, triggering an alarm when drowsiness is detected.
- Enhancing road safety through AI-powered fatigue detection.

[India CPI Analysis Web App](#)

February 2025

- Built an interactive Streamlit web app to analyze India's Consumer Price Index (CPI) data from 2013 to 2025.
- Implemented dynamic filters for states, sectors, and product groups, enabling in-depth comparisons and trend visualization.
- Integrated Plotly and GeoJSON for interactive map visualizations and developed a forecasting module to predict CPI trends for the next 5 months

[Devanagari Character Recognition](#)

February 2025

- Built a Streamlit web app powered by TensorFlow for recognizing handwritten Devanagari characters.
- Trained a CNN model on the UCI Devanagari Handwritten Character Dataset.
- Achieved ~91% accuracy, handling most characters accurately despite visual similarities.

[Spotify Playlist Organizer](#)

April 2025

- Developed a Vite + React + TypeScript web app to categorize Spotify playlists using a drag-and-drop interface.
- Integrated Spotify Web API for user authentication and playlist management.
- Enabled creation of up to four sub-playlists from a parent playlist with seamless track transfer via an interactive UI built with Tailwind CSS.

## Skills

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**Programming Languages:** Python, SQL, HTML, CSS

**Frameworks & Libraries:** TensorFlow, Streamlit, Flask, Pandas, Tailwind, React

**Cloud Platforms:** AWS

**Tools:** Git, Docker, Blender, Adobe Illustrator, Vercel, Dokploy

**Languages:** Marathi, Hindi, English

### Certifications & Training:

- DuckCreek Policy Certification
- Microsoft Technology Associate: Introduction to Programming in Python

## Extracurricular activities and Hobbies

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- Led Sponsorship & Marketing Team for the CSE department's intercollege fest, securing sponsors and managing event promotions.
- Volunteered in organizing technical seminars, contributing to event planning and execution.
- Photography Enthusiast, focusing on landscape and astrophotography.
- 3D Modeling & Design, creating product models and 3D environments using Blender.
- Graphic Design Skills in Photoshop and Illustrator for visual storytelling and product mockups.