

# Avinash Shelke

Software Engineer

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## EDUCATION

### • Vishwakarma Institute Of Information Technology

BTech Computer Engineering, Pune

2020-2024

CGPA: 9.81

## SKILLS

**Languages:** C/C++, Java, Python, JavaScript

**Tools:** Jupyter Notebook, Playwright, Git, GitHub, Linux, Jenkins, Maven, JUnit, Docker, Kubernetes

**Cloud Platforms:** Microsoft Azure

**Frameworks:** TensorFlow, Bootstrap, OpenCV, Flutter, ReactJS, Spring Boot

**Databases:** MySQL, MongoDB

**Areas of Interest:** Machine Learning, Computer Vision, Full-stack Development, NLP, GAN

## EXPERIENCE

### • AVAYA

Jan 2024 - Present

Software Developer

Pune

- Developed understanding of **CCaaS product** and proposed automation for manual testing scenarios
- Built a tool that offers real-time monitoring and alerting capabilities for infrastructure, applications, and logs across the organization. It centralizes data collection, enabling unified visibility and analysis of system health.
- Proposed UI for monitoring tool, emphasizing clarity and ease of navigation.
- Achieved **88% accuracy** using Sequence Learning to detect inflection points, reducing failure analysis time.
- Developed a shell script to automate tenant subscription management within the API gateway
- Documented the architecture of **Monitoring tool**, **APIM** and **RBAC** solutions, detailing design & implementation.
- Worked within Scrum and Agile frameworks to enhance team collaboration, prioritize tasks, and deliver iterative project updates, ensuring alignment with project goals and timelines.

### • IFM

July 2023 - Dec 2023

Machine Learning Intern

Pune

- Developed and implemented deep learning models, including **CNNs** and **Siamese networks**, for data classification and profiling using **PMD 3D ToF camera** data.
- Developed a user-friendly GUI application for real-time inference to assess image similarity.
- Achieved a **confidence score of 80%**, which was set as the threshold for determining similarity.

## PROJECTS

### • Generative AI Pipeline for Modeling Digital Humans for Interactive Learning

Aug 2023 - Feb 2024

- Tools & technologies used: Azure CQA, Tortoise TTS, Temporal GAN
- Proposed user-friendly AI pipeline for generating virtual characters, focusing on an intuitive design that simplifies the creation process and enhances accessibility.

### • E-commerce Product Price Monitoring and Comparison using Sentiment Analysis

Feb 2023 - May 2023

- Tools & technologies used: ReactJS, Python, NLP, MySQL
- A website that allows users to compare the prices of the same product from several online shopping websites and sentiment analysis of the product reviews to help users make informed decisions about their purchases.

### • AI-Radio Mobile Application

Aug 2022 - Oct 2022

- Tools & technologies used: Flutter, Firebase
- Implemented Radio along with AI voice assistant to automate the operations

## ACHIEVEMENTS

### • Research Paper Published

Generative AI Pipeline for Modeling Digital Humans for Interactive Learning

E-commerce Product Price Monitoring and Comparison using Sentiment Analysis,ijritcc

### • GATE CSE 2024 Qualified - Rank (9690)

2024

### • Codeforces max. rating(1043)

2022 - Present

### • Codechef max. rating(1560)

2022 - Present

### • KVS National Volleyball

2015, 2016, 2017

## EXTRA-CURRICULAR ACTIVITIES

### • Computer Department Head, I2IC Placement Cell, VIIT

Nov 2022 - Nov 2023

### • Volleyball Team Captain, Sports Club, VIIT

Aug 2022 - May 2024