

# Tushar Kale

Email | GitHub  
+91 7058 949 269 | Pune, Maharashtra | LinkedIn

## EDUCATION

**B.TECH IN COMPUTER SCIENCE**  
MIT COLLEGE OF RAILWAY  
ENGINEERING AND RESEARCH ,  
BARSHI  
Aug 2021 – May 2025 | GPA: 8.02 / 10

## LINKS

CodeForces:// [tusharkale816](#)  
Github:// [tushar7058](#)  
LinkedIn:// [tushar-kale5](#)  
Twitter:// [@tusharkale816](#)  
Leetcode:// [tusharkale7058](#)

## COURSEWORK

Machine Learning  
Deep Learning  
Data Structure & Algorithms  
Computer Networks  
Operating System  
Artificial Intelligence  
Natural Language Processing

## SKILLS

### PROGRAMMING

Python(Advance) • SQL • Java  
Familiar :  
Git • GitHub • GitLab • Jenkins

### AI / ML

TensorFlow • PyTorch • Transformers  
Generative AI • Agentic AI • Machine  
Learning • Deep Learning  
• Natural Language Processing

### CLOUD PLATFORMS

AWS SageMaker • GCP Vertex AI

### MLOPS / DEPLOYMENT

Docker • MLflow • FastAPI • Streamlit  
DVC • Flask • Django • LangChain  
• OpenAI API • LLM • Hugging Face  
Transformers

## CERTIFICATIONS

Supervised Machine Learning:  
Regression and Classification  
DeepLearning.AI | Aug 2024 |  
Credential ID: EJFZNLBCV63T  
Introduction to Generative AI  
Google | Mar 2024 |  
Credential ID: 8347654

## EXPERIENCE

### MGS TECHNOLOGY PVT LTD | DATA SCIENCE INTERN – HIREUP PRODUCT

June 2025 – Present | Pune, India

- Built and deployed an **AI-powered interview system** using **Python**, **FastAPI**, and **OpenAI APIs**, reducing manual evaluation by **70%**.
- Developed an interactive **AI agent** to conduct interviews, generate questions, and analyze candidate responses in real-time.
- Designed an NLP-based **performance evaluation** engine, improving candidate shortlisting accuracy by **85%**.

### PHN TECHNOLOGY PVT LTD | R&D INTERN

Jan 2025 – May 2025 | Pune, India

- Developed AI quiz evaluator using **Python** and **Django** with NLP techniques, achieving **85% grading accuracy** and reducing manual effort by **60%**.
- Built course recommendation engine using **Scikit-learn** and collaborative filtering, increasing user engagement by **40%**.
- Fine-tuned **BERT model** (Hugging Face) for forum query classification, reaching **92% accuracy** in intent detection.

## PROJECTS

### GESTURE & VOICE-CONTROLLED AI VIRTUAL MOUSE

- Built real-time **gesture recognition system** using **OpenCV** and **MediaPipe**, achieving **98% accuracy** and **50ms latency** with **multi-threading**.
- Integrated **voice command recognition** using **Python** for hands-free operations, enhancing accessibility for disabled users.
- Implemented **adaptive cursor algorithms**, reducing false positives by **40%** over existing solutions.

### HOTEL RESERVATION SYSTEM – END-TO-END ML PROJECT

- Developed and deployed an **end-to-end hotel reservation prediction system** with **MLflow** for experiment tracking and model management.
- Automated full ML pipeline using **Jenkins CI/CD** and deployed scalable models on **Google Cloud Platform (GCP)**.
- Implemented production-grade **MLOps workflow** covering data ingestion, training, evaluation, deployment, and monitoring.

## ACHIEVEMENTS

- AI Hackathon 2024 SVERI College of Engg (National Level)**  
Ranked **Top 5** among **30+ teams** for developing an **NLP-powered resume screening tool**. Achieved **92% accuracy** in candidate-job matching using **BERT** and **cosine similarity**.
- Outstanding Technical Contributor - PHN Technology Pvt Ltd (2025)**
- Competitive Programmer**  
Solved **150+ algorithmic problems** on **LeetCode**, **GeeksforGeeks**, and **Codeforces**. Consistently ranked in the **Top 25%** of weekly coding contests.