

NINAD BELORKAR

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EDUCATION

Vishwakarma Institute of Technology, Pune **Aug 2023 - Jun 2027 (Expected)**
B. Tech Computer Science and Engineering (Artificial Intelligence)

SKILLS

- Programming Languages: C#, C++, Python
- Cloud & DevOps: AWS (EC2, S3, Lambda, API Gateway, Fargate, SNS, IAM), Docker, Terraform (Infrastructure as Code), Git, GitHub, GitLab, CI/CD Basics, MQTT
- Databases: SQL, MongoDB, Amazon RDS, DynamoDB
- Mobile & Web Development: Flutter, Dart, Android Studio, HTML, CSS
- Software Testing: Test Case Design, SDLC/STLC, Bug Lifecycle, Exploratory Testing, API Testing Fundamentals
- Testing Tools & Technologies: NUnit, Playwright (Basics), Jira, XMind
- Machine Learning: scikit-learn, Data Cleaning, Preprocessing, Visualization

WORK EXPERIENCE

ifm engineering private limited | Software Testing & Development, C#, Playwright Basics **May 2026 – Nov 2026**
Software Intern [Fixed-Term (No PPO), 7-Months Internship] (Present) *Onsite*

- Conducted manual and exploratory testing to identify functional bugs, UI inconsistencies, and edge-case failures prior to release.
- Gained hands-on experience writing automated UI test scripts in Playwright (C#/.NET) as part of the team's regression testing process.
- Collaborated with the development team to build and refine internal tools, applying both development and QA perspectives to improve product quality.

Edunet Foundation | Machine Learning, Data Analytics **Dec 2024 – Jan 2025**
AI & Data Analytics Intern *Remote*

- Developed a disease outbreak prediction model, applying machine learning techniques to analyze disease datasets.
- Implemented Logistic Regression, SVM, and Random Forest on three different disease datasets to predict outbreak patterns.
- Gained hands-on experience in data cleaning, preprocessing, and visualization to improve model accuracy and insights.

PROJECTS

AI-Integrated Test Case Management System | **May 2025 – Nov 2025**
Python, MongoDB, Jira API, Gemini API

*Industry Project by **Silicon Stack**.*

- Engineered a secure backend integration with the Jira Cloud REST API, implementing the complete OAuth 2.0 (3LO) workflow to fetch and parse user stories, streamlining the test design process and eliminating manual data entry.
- Built and implemented the Google Gemini API integration for the Flask backend, developing optimized prompts to power the system's core AI features.
- Designed and built the application's NoSQL database schema in MongoDB using MongoEngine, creating a flexible and scalable system for storing user accounts, projects, structured test cases, and AI-generated analyses.

VideoVault (Intelligent Video Data-Hiding Service) | **July 2025 – Oct 2025**
Python, AWS, Docker, Terraform

- Architected a scalable, serverless AWS application for secure data concealment, using API Gateway and AWS Lambda for event-driven job orchestration, with Amazon S3 for hosting and secure file transfers.
- Containerized the OpenCV engine with Docker and deployed on AWS Fargate via ECR, enabling robust processing across three methods (Append, LSB Steganography, Data-Reel) to hide files within video containers.
- Automated infrastructure deployment using Terraform (IaC) and integrated Amazon SNS to notify users via email upon job completion.

CERTIFICATES & ACHIVEMENTS

- Udemy Zero to Hero in Python [\[🔗\]](#)
- Foundational C# with Microsoft [\[🔗\]](#)
- AWS Cloud Technology Consultant [\[🔗\]](#)
- McKenzie Forward Program [\[🔗\]](#)