

# Ajinkya Nagarkar

✉ [ajinkyav@usc.edu](mailto:ajinkyav@usc.edu) ☎ +1 (213) 257-6757 📍 Los Angeles, California [🌐 LinkedIn](#) [🐙 GitHub](#)

[🔗 ajinkya-nagarkar.vercel.app](https://ajinkya-nagarkar.vercel.app)

## Education

### University of Southern California

Master of Science in Computer Science

Aug 2025 – Present  
Los Angeles, CA

### Dr. Vishwanath Karad MIT World Peace University

Bachelor of Technology (Computer Science and Engineering)

CGPA: 9.56/10

Jul 2019 – May 2023  
Pune, India

## Professional Experience

### Capgemini Technology Services India

Analyst

Dec 2024 – Jul 2025  
Mumbai, India

- Built a Python-based real-time data ingestion service to process high-volume event data for internal analytics workflows.
- Developed Angular-based dashboards backed by REST APIs to visualize operational metrics and trends for internal business users.
- Implemented feature engineering and baseline machine learning models using scikit-learn to support downstream analytics and reporting.

### Asha Electronics

IoT Application Developer Intern

Jul 2023 – Jun 2024  
Pune, India

- Developed a full-stack IoT web application using Angular and Node.js to support real-time monitoring of sensor data for internal operations.
- Implemented offline-first data synchronization logic to handle intermittent connectivity and ensure reliable data consistency.
- Integrated Firebase for authentication and data storage, supporting multi-user access and improving application responsiveness.

## Projects

### Internship Management Portal

React, Python, REST APIs, SQL

- Built a full-stack web application using React and Python to manage university internship data and workflows.
- Designed backend APIs to handle student submissions, faculty assignments, and approval flows, reducing manual coordination.
- Implemented role-based access for students and faculty, enabling streamlined tracking of internship status and evaluations.

### Solar Power Plant Maintenance Prediction

Python, Pandas, scikit-learn

- Built a data preprocessing and evaluation pipeline in Python to analyze historical sensor and environmental data from solar plants.
- Trained and compared baseline machine learning models to assess maintenance prediction feasibility under varying conditions.
- Analyzed feature importance to identify environmental factors impacting system performance.

## Patents and Publications

### [Engaging Attackers with a Highly Interactive Honeypot System Using ChatGPT](#)

IEEE-Xplore, ICCUBE-23

### [A Crypto Wallet for Farmers](#)

Indian Patent Office

## Skills

### Programming Languages

Python, JavaScript, TypeScript, C++

### Frameworks & Libraries:

React, Angular, Node.js

### Databases

SQL, Firebase

### Tools & Platforms

Git, Linux, Docker