

# CHETHAN V KOTIAN

## MACHINE LEARNING DEVELOPER | AI SYSTEMS BUILDER

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### PROFILE

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Machine learning developer experienced in building real-world applications using machine learning, computer vision, and web technologies. Proficient in Python, TensorFlow, OpenCV, and Full-stack development, with a strong focus on building scalable, problem-solving systems. Proven leadership experience through leading teams in hackathons and projects.

### PROFESSIONAL EXPERIENCE

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AI/ML Intern, Global Next Consulting India Pvt. Ltd.

Sept 2025 - Oct 2025

- Developed machine learning models using Python and Scikit-learn
- Performed data preprocessing and model evaluation
- Assisted in building functional AI prototypes

### PROJECTS

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#### CliniQ – Smart Hospital Queue & Management System

- Developed real-time queue tracking and patient prioritization
- Integrated Firebase for live updates and authentication
- Designed predictive model for patient load estimation (React, Python, Firebase)

#### SafeRoute – AI-Based Safest Route Prediction Application

- Developed safety-focused route recommendation system
- Designed scoring algorithm using environmental risk factors
- Implemented route comparison and real-time alerts (Reactnative, ML, Maps API)

#### Academic Setu – AI-Based Timetable Generation System

- Developed timetable generator using constraint optimization
- Designed logic to handle faculty and room conflicts
- Generated conflict-free schedules efficiently (Python, OR-Tools/Django)

#### HandPay – Palm Recognition System

- Built biometric authentication system using CNN and OpenCV
- Trained CNN model for palm recognition achieving 86% accuracy on test dataset
- Designed secure contactless verification workflow (Python, TensorFlow)

### SKILLS

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**Languages:** Python, Java, C

**Frameworks:** TensorFlow, Scikit-learn, MediaPipe

**Web & Backend:** React, Next, Javascript, Django, Flask

**Tools & Databases:** Firebase, MySQL, Git

**Domains:** Machine Learning, Computer Vision, Full Stack

### EDUCATION

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Bachelor of Engineering in AI & ML

Sept 2023 - July 2027

Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal

CGPA: 8.62 (5<sup>th</sup> Sem)