

# Ritik Mishra

## FULL STACK DEVELOPER

Delhi, India | mritik424@gmail.com | [Github](#) | [LinkedIn](#) | [Portfolio](#)

### SKILLS

**Programming:** JavaScript, Python

**Stack:** Node.js, Express.js, Django, Flutter, Motion, Tailwind CSS, Next.js

**Databases:** PostgreSQL, MongoDB, Redis.

**Tools & Libraries:** TensorFlow, Stream Lit, REST APIs, Google AWS, Docker, Git, GitHub

**Concepts:** System Design, Microservices, Authentication & Authorization, Caching, Asynchronous APIs

### PROJECTS

#### Arto Bot AI – AI Search & Q&A App

Built an AI-powered conversational search app using **Flutter** and **FastAPI**.

Integrated **Google Gemini API** for reasoning, summarization, and natural language Q&A.

Designed a low-latency REST backend for real-time AI responses.

Developed a clean, cross-platform mobile UI with Flutter and Dart.

#### Image Classification Web App – Deep Learning

Built a real-time image classification web app using **TensorFlow (MobileNetV2)** and **Streamlit**.

Implemented image preprocessing pipeline with **OpenCV, PIL, and NumPy** for accurate inference.

Displays **Top 3 predictions with confidence scores** using a pre-trained ImageNet model.

Demonstrates end-to-end ML deployment, from preprocessing to production-ready UI.

#### LazyText - Real-Time Chat Application

Built a production-ready real-time chat app using **Node.js, Express, Socket.IO**, and **React**.

Implemented one-to-one and group messaging with **read receipts, typing indicators**.

Designed **JWT-based authentication** and persistent message history with pagination.

Enable horizontal scalability using **Redis Socket.IO adapter** for multi-instance deployments.

#### URL Shortener – Backend Fundamentals Project

Built a lightweight URL shortener using **Node.js** and **Express.js** to understand backend workflows.

Implemented request handling, routing, and URL redirection logic.

Designed short-link generation and mapping using **in-memory data storage**.

### EDUCATION

Master of Computer Applications (MCA)

Manipal University Jaipur (2023- 2025)

### CERTIFICATION

**Capstone: Preparing to work as a Cloud Support Associate**

**Put It All Together: Prepare for a Cloud Security Analyst Job**