

# Chaheti Jha

Email: chahetijha@gmail.com — Mobile: +91 7433943322 — LinkedIn: linkedin.com/in/chaheti-jha-0796022a23 — GitHub: github.com/chaheti89

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## Professional Summary

Final-year Engineering student with hands-on experience in machine learning, deep learning, computer vision, NLP, IoT, and full-stack development. Proficient in Python, C/C++, SQL, JavaScript, and HTML with strong knowledge of frameworks such as Flask, TensorFlow, PyTorch, and scikit-learn. Skilled in building ML pipelines, REST APIs, cloud-integrated applications, and secure system software using Firebase, MongoDB, and MySQL. Experienced in Agile practices, Git/GitHub version control, and collaborative projects.

## Education

**RV College of Engineering, Bangalore**  
B.Tech in Electronics and Instrumentation

Nov 2022 – Aug 2026

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## Technical Skills

**Languages:** Python, C/C++, SQL, JavaScript, HTML

**Frameworks & Libraries:** Flask, TensorFlow, PyTorch, scikit-learn, Pandas, NumPy

**Databases:** Firebase, MongoDB, MySQL

**Tools & Others:** Git/GitHub, Agile, Docker, MLflow, Jupyter Notebook, Socket Programming, Unity

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## Experience

**AI/ML Developer Intern, RoleColorFinder**

Sept 2025 – Present

- Developed NLP pipelines with embeddings and scikit-learn; deployed Flask REST APIs reducing latency to under 200ms. (Python, Flask, scikit-learn, Pandas, NumPy)
- Implemented preprocessing, feature extraction, and experiment tracking with MLflow and CI/CD pipelines.

## Projects

**Digital Reverse Logistics for Perishables**

Apr 2025 – Jun 2025

- Integrated ESP32 IoT sensor data with ResNet50-based computer vision to predict fruit shelf life; achieved 92% accuracy and reduced spoilage by 20–25%. (PyTorch, Python, Firebase)
- Built multilingual dashboard with real-time cloud sync and routing logic for retail, donation, or compost.

**Secure Chatroom**

Jan 2025

- Built multithreaded socket server in Python enabling secure real-time messaging with authentication and moderation. (Python, Socket Programming, Concurrency)

**NutriPal Web App**

Oct 2024 – Dec 2024

- Designed a recommender system using cosine similarity and Gemini Vision API with 90% accuracy in food recognition. (Flask, MongoDB, Python)
  - Implemented REST APIs, authentication, and usage tracking to support personalized meal scheduling.
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## Achievements

- Codeforces Pupil (Max Rating: 1280); solved 300+ data structures and algorithms problems.
- Earned NPTEL Elite Certificates in Cloud Computing and Data Science for Engineers.
- Co-Coordinator, NSS (2023–24) — Organized social outreach programs impacting 200+ students.
- Junior Manager, AIESEC Bengaluru (2023–24) — Coordinated cross-cultural exchange projects with 10+ international participants.