

# RONAK CHAVADA

Email : [chavadaronak007@gmail.com](mailto:chavadaronak007@gmail.com)

Mobile : +(91) 9974737813

Location : Surat, Gujarat

LinkedIn : [linkedin.com/in/ronak-chavada-mca](https://www.linkedin.com/in/ronak-chavada-mca)

MCA student specializing in AI/ML at Gujarat University, with hands-on experience building full-stack Django applications, ML pipelines, and deployed real-client projects. Seeking a role in backend development or AI/ML engineering

## Skills

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- Programming Languages : Python, C, C++, Java, PHP, JavaScript
- AI/ML : Machine Learning, Deep Learning, Computer Vision, Data Preprocessing
- Frameworks : Django, Scikit-learn, LangChain, Bootstrap, jQuery
- Concepts : OOP, Data Structures & Algorithms, RESTful APIs, MVT/MVC Architecture
- Tools : VS Code, Git, GitHub, Jupyter Notebook, Celery, Redis, XAMPP
- Databases : Oracle, MySQL, SQLite, MongoDB
- Web Technologies : HTML, CSS, JSON
- Languages : Gujarati (Native), English (Professional Proficiency), Hindi (Fluent)

## Education

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Gujarat University

Ahmedabad, Gujarat

**Master of Computer Application** (3 Semester Aggregate Percentage : 79.65)

08/2024 – Anticipated Graduation : 06/2026

Veer Narmad South Gujarat University

Surat, Gujarat

**Bachelor of Computer Application** (Percentage : 84.40)

08/2021 – 04/2024

## Projects

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**Smart Farming Task Automation System** (Python, Django, Celery, LangChain, Groq LLM, ChromaDB, PyTorch, DRF)

- Built a full-stack agricultural platform with AI-powered crop advisory (RAG pipeline), CNN-based plant disease detection, ML crop-yield prediction, and automated report generation
- Key Concepts: Retrieval-Augmented Generation (RAG), Computer Vision (ResNet), Constraint Satisfaction, Celery Task Queues, REST APIs, Role-Based Access Control

**Dravya Studio** (Python, Django, PostgreSQL, DRF, WeasyPrint, Cloudinary, ImageKit CDN, Unicorn)

- Built and deployed a full-stack photography studio management platform for a real client, featuring customer CRM, package/session booking, invoicing, payment tracking, and a public portfolio website
- Key Concepts: Multi-app Django Architecture, Role-Based Authentication, Automated PDF Generation, Cloud Storage, Production Deployment, SSL/HSTS Security, CDN Media Delivery
- Live : [dravyastudio.onrender.com](https://dravyastudio.onrender.com)

**Corruption Prediction Project** (Python(Django), Pandas, Scikit-learn, Matplotlib, MySQL, RESTful APIS)

- Developed a model to analyze corruption-related data on socio-economic indicators.
- Key Concept : Machine Learning , Data Preprocessing, Regression, Visualization

**DataShowingTool** (Python, Django, PostgreSQL, Celery, Redis, JavaScript, Waitress, WhiteNoise)

- Built a product file management system for a jewelry company to browse, preview, download and upload product assets (CAD files, images, renders) organized by SKU
- Key Concepts: Role-Based Access Control, File System Integration, Async Task Processing, Real-Time Download Tracking, Session Authentication, Production Deployment

**Shopify Product Generator** (Python, Django, Shopify GraphQL API, Django REST Framework, JavaScript, SQLite)

- Built a full-stack admin tool for jewelry e-commerce that automates product creation, variant pricing, CSV generation, and direct publishing to Shopify via GraphQL staged uploads and OAuth
- Key Concepts: REST API Design, GraphQL Integration, OAuth Authentication, E-commerce Automation, CSV Export, Multi-variant Product Management

**WooCommerce Product CSV Generator** (Python, Flask, SQLite, Pandas, JavaScript, HTML/CSS)

- Built a web-based tool that auto-generates 9-variant WooCommerce-ready CSV files from a single base SKU, handling metal/karat permutations, image mapping, and bulk product import formatting
- Key Concepts: REST API Design, CSV/Data Transformation, SKU Variant Logic, File Upload & Processing, E-commerce Data Automation