

# Vismay Vilas Chaudhari

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## EDUCATION

### Rochester Institute of Technology

Master of Science in Computer Science, Minor in Big Data (GPA: 3.56/4.0)

Rochester, NY

Aug 2022 – Aug 2025

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C#, SQL, NoSQL, HTML, CSS

**Databases:** Snowflake, PostgreSQL, Redis, DynamoDB, MongoDB, Firebase, SQLite, MySQL

**Frameworks & Libraries:** React, Angular, Django, Flask, .NET, PySpark, Tensorflow, PyTorch, Tailwind CSS

**Developer Tools:** Git, Docker, Terraform, Kubernetes, Azure DevOps, Jira, CI/CD Pipelines, Selenium

**Cloud & Platforms:** AWS (EC2, S3, RDS, Lambda, EKS, Bedrock, CodePipeline), Azure Blob, GCP

## EXPERIENCE

### Software Engineering Co-op

Aug 2024 – Present

Ecolab

St. Paul, MN

- Designed backend services in .NET to expose product data and value delivered metrics through REST APIs, powering analytics for over 1,000 global products.
- Integrated Angular dashboards with backend endpoints, enabling teams to monitor live KPIs and investigate quality trends efficiently, supporting operations in over 100+ countries.
- Streamlined ETL workflows using Python and PySpark to ingest and transform structured logs into Snowflake, reducing refresh time from daily to hourly and improving dashboard responsiveness.
- Implemented a product recommendation model using SVD and Apriori algorithms to analyze 1M+ sales records and customer patterns, supporting data-driven product suggestions and business decisions.

### Software Engineer

Oct 2020 – Jul 2022

Tata Consultancy Services

Mumbai, India

- Built backend APIs using .NET to process trade data and relay it to ActiveMQ, enabling efficient message queue creation for downstream compliance systems.
- Transitioned message handling from TIBCO to ActiveMQ, improving trade routing performance and reducing message latency by over 20%.
- Developed and maintained backend validation scripts using VBScript and UFT to automate trade compliance checks, reducing manual verification efforts.
- Analyzed 50,000+ trade transactions data with SQL Server to ensure message integrity across trade validation systems.

## PROJECTS

### CodeCue – Smart LeetCode Assistant | React, Node.js, TypeScript, Express, Groq API

Mar 2025 – Present

- Designed a Chrome extension that offers real-time coding hints and solutions using Llama3 through Groq API.
- Configured server-side logic with Node.js and Express on Vercel to relay prompt data while shielding API keys.
- Devised a browser-based scraper to collect LeetCode problems and user submissions, enabling feedback insights across 2000+ challenges.

### CloudMart | React, Flask, AWS (EKS, ECR, Lambda), GCP BigQuery, OpenAI API

Jan 2025 – Feb 2025

- Built a multi-cloud eCommerce fullstack platform with Flask APIs deployed on AWS Lambda and GCP BigQuery for backend workflows and analytics.
- Integrated Claude 3 (via Bedrock) and OpenAI API to provide product suggestions and customer query handling.
- Applied Azure Text Analytics to analyze product reviews and derive actionable feedback insights.

### Memoir | Django, React (TypeScript), PostgreSQL, AWS (EC2, RDS, S3, Lambda)

Dec 2023 – Jan 2024

- Developed a modular React interface with post feeds, comments, and editors to streamline authoring and reading.
- Integrated keyword-based search to let users quickly locate posts, improving navigation across 100+ articles.
- Refined media uploads with AWS Lambda and S3 by resizing and compressing images, with 25% faster load time.

### Sign Language Virtual Assistant | Python, TensorFlow, OpenCV

Aug 2019 – Apr 2020

- Trained a CNN model to interpret ASL gestures into voice commands, achieving 92% accuracy.
- Processed a dataset of 5,000+ labeled gestures and implemented real-time recognition pipelines using OpenCV.
- Integrated text-to-speech and speech-to-text modules for smooth bidirectional communication.