

Pragya Sharma

Profile: <https://pragyasharma.in>

PERSONAL STATEMENT

Software Engineer with 8 years of experience building scalable backend applications using Python, Django, Flask, AWS, and MySQL. Experienced in designing REST APIs, automation platforms, cloud-based services, and database-driven applications. Passionate about applying Generative AI and LLM technologies to build intelligent software solutions, with a strong interest in AI agents, RAG systems, and modern backend architectures.

Experience

Software Engineer II

JPMorgan Chase & Co., Sep 2023 - Present

- Worked on development for automating complex DBA tasks using tech stack python and Django.
- Applied GitHub Copilot and Agentic AI to enhance development productivity.
- Developed REST Apis and self-service tools that enable customers to request and perform database operations through automated modules, without requiring DBA expertise.

Senior Software Developer

Practo Technologies Pvt. Ltd., May 2022 - Aug 2023

- Worked on development of reimbursement feature using tech stack python and flask.
- Worked on the development of Practo plan subscriptions and diagnostics feature, ensuring a comprehensive experience for our customers and actively participated in data migration.
- Managed the team during the development process.

Senior Software Developer

Fyers Securities Pvt. Ltd., September 2018 - May 2022

- Worked on the development of Mutual funds platform, eDIS feature, and Pledge from scratch.
- Worked on third party apis to connect with NSE, BSE, MCX, and CDSL.
- Worked on AWS such as launching ec2 instances, creating lambda functions, adding endpoints to load balancer, creating s3 buckets for storage and for hosting websites.
- My contributions significantly improved the overall efficiency and reliability of the company's infrastructure, resulting in enhanced performance and customer satisfaction.

Technical Skills

Languages: Python, SQL, HTML, CSS, JavaScript

Database: MySQL

AI Skills: Generative AI, Large Language Model (LLMs), AI Agents, RAG System, Github Copilot

Framework: Django, Flask

Operating System: Linux, Mac OS X, and MS Windows

Projects

GOS Application

Build services to automate complex Oracle DBA operations and expose them via RESTful APIs. Enabled customers to create, manage, and monitor databases without requiring manual DBA intervention.

Practo Health care Application

As a part of subscriptions team, I worked on reimbursement feature which made it easy for customers to create a claim and also to update it.

Mutual Funds Platform

Developed Fyers mutual funds (MF) platform and written crons that saves the data given by third party to our database. Created the data apis and transaction apis that gives information of MF schemes and handles the users trading transactions.

eDIS

Connected with CDSL apis to implement eDIS flow on Fyers trading platform. Created and implemented database design for storing the client and CDSL request and responses. Worked on front end implementation of eDIS using TradingView charting library.

Pledge and Unpledge

Implemented the pledge/unpledge flow for Fyers where client can pledge their holdings and can use the amount to trade in FNO and can initiate unpledge request. Worked on backend apis that connects with CDSL and worked on front end. Created and implemented database design for storing the client and CDSL request and responses.

Certificates

- AWS Certified Cloud Practitioner

Education

Educational Qualification	Year	Board/Institution	CGPA*/%
M.Tech (Computer Science)	2017	DIT University, Dehradun	8.36 CGPA (83.6%)
B.Tech (Computer Science)	2015	Quantum School of Technology (UTU)	70.74%
Twelfth	2011	St. Ann's School (CBSE)	63.4%
Tenth	2009	St. Ann's School (CBSE)	81%

Personal Details

Date of Birth: 21st October 1993

Gender: Female

Language Known: Hindi and English

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