

PRIYANSH GROVER

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SUMMARY

Detail-oriented Backend Developer with hands-on experience in building scalable APIs, secure authentication systems, and full stack web applications. Skilled in FastAPI, Django, PostgreSQL, and modern backend architecture with strong focus on clean code, performance optimization, and real-world problem solving. Adept at creating production-ready projects, debugging complex issues, and delivering efficient, user-focused backend solutions.

EXPERIENCE

Backend Developer Intern | Dotsquares

July 2025 - Present

- Developed and maintained RESTful APIs for internal applications.
- Improved database efficiency with optimized SQL queries.
- Experienced in designing modular and scalable backend architectures using FastAPI and Django.
- Hands-on experience with AI-powered systems including LangChain, RAG pipelines, and LLM integrations.

PROJECTS

Resume Builder App

- Developed a full-stack Resume Builder web application using Django, enabling users to create, edit, preview, and download professional resumes.
- Implemented secure user authentication and profile management using Django's built-in auth system.
- Designed and structured the application using MTV architecture, ensuring maintainability and scalability.
- Customized Django admin using Jazzmin, improving usability for managing users and resumes.
- Utilized Django ORM for designing relational models and handling database operations efficiently.
- Improved user experience through template inheritance, reusable components, and organized project structure.

User Module API

- Developed a modular FastAPI backend application with a clean and scalable project structure following industry best practices.
- Implemented RESTful APIs using FastAPI with router-based architecture for maintainability and easier feature expansion.
- Integrated SQLAlchemy ORM and designed relational database models to ensure efficient data handling and consistency.
- Configured and managed Alembic migrations, enabling smooth schema updates across development environments.
- Built secure JWT authentication and authorization workflows to protect API endpoints.

DeepAgent

- Developed a multi-node AI agent system using LangChain and ChatGroq (LLM) with dynamic routing between chat, RAG, and research workflows.
- Implemented an intelligent query router to classify user input and direct it to appropriate pipelines (real-time research, retrieval, or conversational response).
- Built a RAG pipeline with PgVector-based retrieval, enabling context-aware responses using stored document embeddings.
- Designed a planner-executor architecture that decomposes queries into targeted search steps and aggregates results via external tools (MCP-integrated APIs).
- Engineered session-based memory management with trimming and context handling, improving conversational continuity and system performance.

EDUCATION

Bachelor Of Computer Applications (BCA)

Sep 2023 - Oct 2025

St. Xavier's College, Jaipur

Class XII | Subodh Public School (CBSE) | 2022

Class X | Subodh Public School (CBSE) | 2020

SKILLS

- **Programming Languages:** Python
- **API Development:** FastAPI, Django REST Framework
- **Frameworks:** Django
- **Database:** PostgreSQL, PgVector, Vector Databases
- **AI & LLM Technologies:** LangChain, LangGraph (AI Agents), RAG (Retrieval-Augmented Generation), Embeddings
- **Machine Learning:** Machine Learning Basics
- **API Testing:** Postman
- **Other Skills:** OAuth2, JWT Authentication, Logging, Debugging, Teamwork
- **Languages:** English, Hindi