

# Darshit Joshi

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## Summary

Software Engineer committed to delivering high-quality projects and exceeding expectations. Proven ability to optimize processes, automate tasks, and deliver secure, efficient, and user-focused solutions that drive business success.

## Skills

- **Development:** Python, JavaScript, FastAPI, Django, SQLAlchemy, MySQL, PostgreSQL, RabbitMQ, Redis, Celery, WebSockets, React
- **Deployment and DevOps:** Kubernetes, Jenkins, Docker, ArgoCD, Grafana, LogQL
- **AI and Data Analysis:** Generative AI, Stable Diffusion, PyTorch, CUDA, VAEs, LLM fine-tuning, Regression algorithms

## Work Experience

### DosePack (Meditab)

SOFTWARE ENGINEER

Ahmedabad

Dec. 2022 - Present

- **API Development:** Designed and implemented RESTful APIs to streamline business workflows, reduce response times by 50%, and enhance system interoperability.
- **Migration Automation:** Automated database migration processes, reducing deployment time by 40% with version control across environments. Created and published PyPi library for the same.
- **Data Engineering and Analytics:** Built ETL pipelines for **data pre-processing, feature engineering and validation** to support analytics. created daily performance statics for stakeholders
- **Real-time Systems:** Developed real-time solutions using **WebSockets**, enabling bi-directional communication for features like **live updates, dynamic dashboards, and notification services**.
- **Authentication Systems:** Designed and implemented secure authentication systems using token-based mechanisms (**JWT**) and role-based access control (**RBAC**). Developed a seamless single sign-on (**SSO**) solution with **OAuth2.0 scopes**.
- **Database Engineering:** Enhanced backend performance by designing a well-optimized SQL database, significantly improving storage utilization and system efficiency.
- **Algorithm Optimization:** Optimized computationally intensive algorithms for **pack-filling slot customizations** and workflow optimizations.

## Projects

- **Stable Diffusion:** Developed a project using Stable Diffusion models to generate images. Gained hands-on experience in generative AI concepts, including LORAs, VAEs, CUDA and checkpoints, enhancing my understanding of image generation workflows and model fine-tuning. This project deepened my knowledge generative AI techniques. <https://stable-diffusion-l99s.onrender.com>
- **AI Movie Recommendation:** movie recommendation using opensource GenAI APIs.
- **Chat Bot:** Fine tuned bot for company's induction process. <https://groq-local.onrender.com>
- **Goal Manager:** created a goal manager with google OAuth to sync short term and long term goals.

## Education

### Dharmsinh Desai University

B.TECH

CGPA: 8.72/10

Nadiad, Gujarat

July. 2019 - May. 2023