

# Mridu Bhatnagar

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🐙 github.com/mridubhatnagar

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I am a Python Backend Developer with 7+ years of experience. I apply spec-driven development to AI systems and leverage contemporary agentic coding tools to amplify output. Looking forward to working at the intersection of product, engineering, and AI.

Personal portfolio site at: mridulabs.dev

## EDUCATION

### NIIT University

Neemrana, India | 2013 – 2017

**B.Tech, Computer Science and Engineering**

## SKILLS

### Languages

Python | JavaScript

### Frameworks

Flask | FastAPI

### Databases

PostgreSQL | MySQL | Redis | Weaviate

### Cloud / Deployment

AWS EC2 | Google Cloud Pub/Sub | Digital Ocean | GitHub Actions

### Tools

Git | Docker | Celery | Claude Code | Gemini CLI

### API Integrations

OpenAI | Claude API | Slack | Razorpay | WebEngage | Gmail

### AI Engineering

LLM Applications | Agents | RAG Systems | LangGraph

## PROJECTS

### Prepit

RAG-based knowledge base for interview prep. [GitHub](#) ↗

### SystemsFeed

AI summaries, tags, and ELI5 for engineering blogs. [GitHub](#) ↗

## SPEAKING & CONTENT

- Courses on LinkedIn Learning
- Tutorials on Twilio blog and egghead.io
- Talks at PyData, EuroPython, PyLadies

## WORK EXPERIENCE

### IIT Madras

Senior Software Engineer

Remote | Jul 2024 – Present

- Built student marks batch upsert via Google Pub/Sub to process 70,000–80,000 weekly score uploads in parallel.
- Built exam city preference module with validation and payment handling, serving 37,000+ students across 3 programs.
- Built JWT-based source verification (ES256) for cross-app access control, serving 40,000+ students.
- Refactored application form into a configurable multi-institute product; launched for IIMU with 1,000+ students.
- Migrated credentials to Secret Manager and Parameter Manager across multiple projects.

### Peppo Technologies

Senior Software Engineer

Remote | Aug 2021 – Apr 2024

- Owned end-to-end development and maintenance of the settlement service, serving 76,000+ unique customers.
- Drove settlement success rate to 100% by reducing merchant escalations to zero.
- Added Celery-based async processing, handling peak loads of 8,000+ customers.
- Automated GST reporting and monthly invoice generation, reducing manual effort by 50%.

### Team4Adventure

Independent Consultant

Remote | Jan 2020 – Jul 2021

- Built a JSON-based custom CMS replacing WordPress, delivering 50% improvement in page creation speed.
- Built a Query & Booking Management system reducing per-booking processing time by 75%.

### Goibibo

Software Engineer

Gurugram | Aug 2018 – Jan 2020

- Built and maintained API integrations for partners including Criteo and WebEngage.
- Automated data pipelines to generate daily reports, reducing manual effort.

### KreditBee

Data Engineer

Bangalore | Dec 2017 – Aug 2018

- Designed APIs and core business logic for the product's rule engine.
- Integrated multiple external fintech partner APIs for data exchange.

### Rekonsys Tech Labs

Software Engineer

Bangalore | Aug – Dec 2017

- Built backend features for Kredily using Django REST Framework.