

PRANAYA KUMAR DASH

Bengaluru, India | +91-76818-06202 | dashpranaya28@gmail.com | [linkedin/pranayakd28](#) | [github/PranayaKD](#) | [Portfolio](#)

Summary

Python Backend Developer specializing in building **scalable Django applications**. Delivered measurable impact with a **50% reduction** in database calls through ORM optimization and **66%** faster dashboards via indexing strategies, while ensuring consistency with **transaction-safe operations**. Experienced in **REST APIs, PostgreSQL, JWT authentication, Redis, and cloud deployment**. MCA (AI & ML) graduate, ready to contribute to production-grade backend systems from day one.

Technical Skills

Languages: Python 3, JavaScript (ES6+), SQL

Frameworks: Django, Django REST Framework (DRF)

Databases: PostgreSQL, MySQL, Supabase, Django ORM

Auth & APIs: JWT Authentication, Session Auth, REST API Design, API Integration

Tools: Git, GitHub, Redis, Celery, Postman, AWS (Cloud Practitioner Certified)

Concepts: MVT Architecture, Query Optimization, Role-Based Access Control, Async Task Processing, ORM Optimization, Database Indexing, Race Condition Handling

Projects

Trimrr – URL Shortener SaaS Platform | [Live](#) | [GitHub](#) | *Django* | *HTMX* | *Redis* | *Celery* | *Razorpay* | *PostgreSQL* **Mar 2026**

- Improved frontend responsiveness by **45%** by offloading QR generation to **Celery async workers** using **Redis** as broker.
- Integrated **Razorpay API** for tiered subscription billing with automated **GST-compliant** tax invoicing, enabling fully self-serve monetization and eliminating manual billing operations.

ShopperMart – E-Commerce Platform | [Live](#) | [GitHub](#) | *Django* | *PostgreSQL* | *DRF* | *JWT Auth* | *Bootstrap 5* **Sep 2025**

- Optimized database performance by eliminating **N+1 query bottleneck** across 100+ product listings; resolved using `select_related()` and `prefetch_related()`, slashing DB calls by **50%** and page load by **40%**.
- Engineered **JWT + session-based cart persistence** across login/logout cycles, eliminating cart data loss and ensuring seamless authenticated user experience at scale.

Rentora – High-Performance Rental Ecosystem | [Live](#) | [GitHub](#) | *Django* | *PostgreSQL* | *Supabase S3* | *Sentry* **Dec 2025**

- Eliminated **race conditions** and double-bookings under peak load by implementing an **Atomic Booking Engine** using `select_for_update()` locks, ensuring **99.9%** transactional integrity.
- Engineered **multi-variable pricing engine** with weekend surcharges and automated EMI calculations, reducing manual billing to **zero** and eliminating pricing errors across all bookings.

Training & Experience

Python Backend Developer Trainee | PySpiders (Certified Training Program), Bengaluru **Apr 2025 – Apr 2026**

- Built and deployed **4 production-grade Django backend systems** during intensive training, working with **Django, DRF, PostgreSQL, JWT auth, and REST APIs**; gained hands-on experience in deployment and scalable backend design. Awarded **Python Full Stack Developer** certification.

Education

Master of Computer Application (MCA) – AI & ML Specialization **Sept 2022 – Aug 2024**
Centurion University of Technology and Management, Bhubaneswar, Odisha

Bachelor of Science (B.Sc) – Chemistry (pivoted to CS via MCA) **2019 – 2022**
Fakir Mohan University, Balasore, Odisha

Certifications

- McKinsey Forward Program – McKinsey & Company **Ongoing, 2026**
- AWS Certified Cloud Practitioner – Amazon Web Services **2024**
- Backend REST API with Python & Django (Advanced) – Udemy **2024**
- Prompt Engineering for ChatGPT, Claude – Udemy **2024**
- Introduction to SQL – Coursera | Programming for Everybody – Coursera **2023–24**