

Pranaya Kumar Dash

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Summary

Python Backend Developer with **3 production-deployed Django web applications**. Delivered: **50% reduction in DB calls** via ORM optimization, **66% reduction in dashboard load** through indexing, and **race-condition-free transactions** using `transaction.atomic()`. Strong in REST API design, PostgreSQL, JWT auth, and scalable backend architecture. MCA (AI & ML) graduate. **Immediate joiner**.

Technical Skills

Languages: Python 3, JavaScript (ES6+), SQL
Frameworks: Django, Django REST Framework (DRF), Bootstrap 5
Databases: PostgreSQL, MySQL, Django ORM (`select_related`, `prefetch_related`, `annotate`)
Auth & APIs: JWT Authentication, Session Auth, REST API Design, Postman, API Integration
Tools: Git, GitHub, AWS (Cloud Practitioner Certified)
Concepts: MVT Architecture, CRUD, Query Optimization, Role-Based Access Control

Projects

ShopperMart – E-Commerce Platform | [Live](#) | [GitHub](#) | *Django, PostgreSQL, REST APIs, JWT Auth, Bootstrap* **2025**

- Cut DB calls by **50%** replacing N+1 queries with `select_related` and `prefetch_related`, reducing average page load by **~40%** across 100+ product listings.
- Built JWT + session-based cart persistence across login/logout cycles; implemented role-based admin dashboard with full product, order, and inventory CRUD.

DriveInStyle – Vehicle Rental System | [Live](#) | [GitHub](#) | *Django, Python, REST APIs, Bootstrap, JavaScript* **2025**

- Engineered multi-variable pricing engine (fuel type, seat capacity, distance) with partial-day edge-case handling; **eliminated race conditions** in concurrent bookings using `transaction.atomic()`.
- Automated full booking workflow – reservation to billing – reducing manual operations to zero.

TaskMaster – Task Management App | [GitHub](#) | *Django, Python, PostgreSQL, JavaScript, Bootstrap* **2025**

- Slashed dashboard DB load by **66%** replacing per-status queries with `annotate()`-based aggregation; composite indexing cut query execution time by **60%**.
- Implemented multi-role access control (admin/manager/member) with real-time status tracking and full CRUD.

Training & Experience

Python Backend Developer Trainee **Apr 2025 – Present**
PySpiders (Certified Training Program), Bengaluru *Full-time, On-site*

- Completed intensive backend curriculum — Django, DRF, REST APIs, PostgreSQL, JWT auth, deployment — building 3 live-deployed projects; awarded **Python Full Stack Developer certificate**.

Machine Learning Intern **Apr 2024 – Sept 2024**
Prodigy Infotech Pvt. Ltd. *Remote*

- Built fault-tolerant multi-source ingestion pipeline (REST API + CSV + web) with centralized validation and JSON normalization; reduced preprocessing failures by **~80%**.

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

- **AWS Certified Cloud Practitioner** – Amazon Web Services 2024
- **Backend REST API with Python & Django (Advanced)** – Udemy 2024
- **GitHub Ultimate: Master Git and GitHub** – Udemy 2024
- **Introduction to SQL** – Coursera **Programming for Everybody** – Coursera 2023–24