

# YASH PATKAR

Entry-Level Software Development Engineer

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## EDUCATION

### D. G. RUPAREL COLLEGE OF ARTS, SCIENCE AND COMMERCE

Mumbai, India

Bachelor of Science - Information Technology | Cumulative GPA: 9.4/10

2022 – 2025

- Achievements: 2nd Place - DotTech Hackathon (DGRUPAREL) | 3rd Place - Code Relay Event (VPPCOEVA)

## PROJECTS

### KARZO - EVENT RIDE SHARING PLATFORM | Django REST Framework, PostgreSQL, Vue.js

- Developed RESTful backend services for rides, bookings, and **JWT authentication** using Django REST Framework.
- Resolved **N+1 query problems** by applying select\_related, improving query performance.
- Enhanced search responsiveness using **debouncing** and optimized API logic with algorithmic improvements to reduce calls from **10** to **2–4** per input cycle.
- Implemented email format and domain validation with external API integration.

### TURF BOOKING PLATFORM | Node.js, Express.js, Sequelize, SQLite

- Designed backend APIs for authentication, turf listings, slot checking, and bookings following REST principles.
- Structured Sequelize models for predictable **CRUD** operations and improved schema clarity.
- Optimized database interactions by refining validation logic and reducing redundant queries.
- Built supporting frontend pages for end-to-end flow testing.

### TEMPORARY PDF VIEWER | Django, Session Authentication

- Engineered a session-based PDF access system enabling students to view PDFs securely without downloads.
- Reduced bandwidth usage by serving PDFs directly in-browser and avoiding file transfers.
- Used in multiple classroom sessions as a lightweight content-delivery tool.

## INTERNSHIP EXPERIENCE

### BACKEND ENGINEER

June 2025 - July 2025

Remote

Kuvaka Tech

- Developed backend features for an email verification system using **Django** and **REST APIs**.
- Set up asynchronous workflows using Celery for background processing.
- Refactored ORM queries to improve **CRUD** performance and ensure consistent **ACID** safe updates.
- Integrated external validation APIs and added retry logic for SMTP-related checks.
- Helped with manual testing and issue reporting during the initial phase of the internship before contributing to backend development.

### WEB DEVELOPER

April 2024 - June 2024

Remote

Levaze Digital Pvt. Ltd.

- Built backend modules for a **Flask** based blogging platform including user authentication, OTP flows, and API endpoints.
- Optimized API performance by reducing redundant queries and simplifying ORM filters.
- Collaborated with the frontend side using Live Server, Discord, and later **Git/GitHub** to maintain smooth API integration during development.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, Java, C, C++

**Backend:** Django, DRF, FastAPI, Flask, Node.js, Express.js

**Databases:** PostgreSQL, MySQL, SQLite | Query Optimization, Schema Design

**Frontend:** Vue.js, React.js, JavaScript, HTML, CSS, Tailwind, Bootstrap

**Tools:** Git, GitHub, Linux, Docker, Postman, GitHub Actions (basic)

**Other:** REST APIs, SQL, JSON, Data Structures & Algorithms, OOP, API Performance, Debugging