

JAY NANDWANA

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Projects

Lead Management System | Live Link | Video | GitHub/Documentation

Nov '24 - Jan '25

Tech Stack: Django, MySQL (AWS RDS), Celery, Celery-beat, Redis, Amazon EC2, Unicorn, Nginx.

- Engineered a system to streamline workflows of Key Account Managers, enhancing lead tracking and large account performance management.
- Automated call follow-ups using **background processes** based on predefined frequencies.
- Highly scalable, leveraging **Celery for parallel task execution** and Redis as the task broker, boosting efficiency by 30%.
- Optimized system performance by implementing **caching using Redis**, reducing load time by 40%.
- Implemented an automated email alert system using **multithreading**, reducing lead response time by 20%.
- Conducted end-to-end testing using **Django's testing framework**, reducing bugs by 50% and boosting system reliability.

Bharat Shopee | Live Link | Video | GitHub/Documentation

July '24 - Sept '24

Tech Stack: Django, PostgreSQL (AWS RDS), Vercel, HTML, CSS, JavaScript.

- Built a scalable e-commerce platform for local producers, reducing middleman costs by 15% and boosting profitability.
- Features an administration dashboard for adding items, tracking sales, and managing customer details.
- Performed extensive data modeling to ensure seamless data flow and optimal performance.

Academic and Extracurricular Achievements

- GFG Ranking - 1** (College), **3000+ Score** on GFG and solved **1400+ Questions** on GFG and **Leetcode**.
- Achieved a **Max Rating of 1598** on **Leetcode**.
- Accolite Digital Hiring Challenge (**Winner**), Received **offer letter** for SDE- I.
- UPSC CDS 2 2022, AIR- 128**, Ex-Gentleman Cadet, Indian Military Academy.

Work Experience

Indian Military Academy | Gentleman Cadet / **Acceptance letter**

July'23 - Sept'23

- Cleared UPSC CDS 2 2022 with AIR-128 and recommended by Service Selection Board (SSB).
- Trained in leadership**, military tactics and land warfare.
- Developed **strategic decision-making and teamwork** skills through rigorous training and field exercises.

Exposys Data Labs | Software Development Intern / **Certificate**

April'22 - May'22

- Engineered a web application enabling seamless peer-to-peer communication through effective teamwork and collaboration.
- Ensured seamless integration of WebRTC technology supported by all major web browsers.

Skills

- Programming Languages:** C/C++, Python, JavaScript, SQL.
- Frameworks and Tools:** Django, Celery, Celery-Beat, Redis, PostgreSQL, Firebase, MySQL, Vercel, Unicorn, GitHub.
- Concepts:** Data structures and algorithms, DBMS, Operating system, Object oriented programming.

Education

Bangalore Institute of Technology, Bangalore, India

2018 - 2022

- Computer Science and Engineering (C.S.E.)* | CGPA: 8.02/10

D.A.V Public School, India

2017 - 2018

- CBSE (Class XII), Percentage: 90.66%*

D.A.V. Public School, India

2015 - 2016

- CBSE (Class X), CGPA: 10.00*