

# Dishank Hanwate

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## PROFESSIONAL SUMMARY

**Full-Stack Software Engineer** and **Master's candidate in Computer Science** with **2+ years of experience** building enterprise-scale Learning Management Systems. Specialized in **Full-Stack Development (.NET & MERN)** and **SQL**, with a track record of optimizing database performance by 60% for US-based clients. A dedicated problem solver with **250+ algorithmic challenges solved** and a consistent daily coding streak.

## EDUCATION

**Master of Science in Computer Science** | GPA: 4.0/4.0 | *Expected Graduation: May 2026* | **Purdue University Fort Wayne**

- *Relevant Coursework:* Full-Stack Web Development, Database Systems, Software Engineering, Machine Learning.

**Bachelor of Engineering in Information Technology** | CGPA: 8.3/10 | *2018 – 2022* | **University of Mumbai**

- *Relevant Coursework:* Cloud Computing & Services, Big Data Analytics, Data Structures & Analysis.

## SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, SQL (PL/pgSQL), Java, C++, C#, C, HTML5, CSS3.
- **Frontend:** React.js, Angular, Redux, Context API, Tailwind CSS, Bootstrap, Responsive Design.
- **Backend:** .NET, Node.js, Express.js, RESTful APIs, JWT Authentication, Microservices, Django.
- **Databases:** PostgreSQL, MongoDB, MariaDB, MySQL, Redis, Oracle, Elasticsearch.
- **Tools & DevOps:** Docker, Kubernetes, AWS, RabbitMQ, Git, Jira, Postman, VS Code.

## WORK EXPERIENCE

**PURDUE UNIVERSITY** | August 2025 – Present | *Graduate Teaching Assistant for ML & NLP* | **Fort Wayne, IN**

- Serve as the technical lead for graduate-level Machine Learning and Natural Language Processing (NLP) courses, grading and debugging complex Python assignments for 50+ students.
- Conduct weekly technical code reviews to enforce software engineering best practices and modular design patterns.
- Translate complex technical concepts into clear, actionable documentation to assist student learning.

**Gameplay, Inc.** | May 2025 – September 2025 | *SDE Intern (Full-Stack Developer)* | **San Francisco, CA**

- Built and deployed full-stack features for a sports venue booking platform using **.NET Core** and **PostgreSQL**.
- Implemented geospatial SQL queries (**PostGIS**) to filter sports fields based on user proximity, reducing search latency by 40%.
- Designed automated workflows to replace manual data entry tasks, increasing team efficiency by 80%.
- Collaborated with senior engineers to optimize database schemas, ensuring data integrity and reducing redundancy.

**Zeus Learning** | June 2022 – August 2024 | *Software Engineer (Full-Stack Developer)* | **Mumbai, India**

- Developed enterprise-scale LMS platforms using **Angular**, **.NET Core**, and **MariaDB**, serving thousands of concurrent users.
- Engineered high-performance microservices integrating **Docker**, **Redis**, and **Elasticsearch**, reducing data retrieval latency by 60%.
- Optimized complex SQL queries and implemented **RabbitMQ** for asynchronous messaging to handle high-volume traffic spikes.
- Conducted rigorous **load testing** and resolved critical **production bugs** to support thousands of concurrent users.

## PROJECTS

**Recipe and Review Platform** | June 2022 – July 2022 | *Full-Stack Web Application* | **Mumbai, India**

- Secured **1st Place** in a corporate hackathon by architecting a full-stack application using **Django REST Framework** and **JavaScript**.
- Implemented secure user authentication and interactive review systems to drive user engagement.
- Optimized **SQLite** database queries to ensure fast data retrieval and seamless content delivery.

**Tomato Food Delivery** | Jan 2025 – May 2025 | *Full-Stack E-Commerce* | **Fort Wayne, IN**

- Architected an e-commerce platform with Role-Based Access Control (RBAC) to separate Admin and Customer dashboards.
- Built a state management system using React Context to synchronize shopping cart data in real-time.
- Integrated Stripe API for secure payments and engineered a custom order tracking workflow.

**Pawshank Redemption** | Jan 2025 – May 2025 | *Shelter Management* | **Fort Wayne, IN**

- Designed a 3NF normalized relational database to eliminate data redundancy across complex adoption, medical, and staff records.
- Optimized slow-performing queries by implementing composite indexing and refactoring nested subqueries into efficient JOIN operations, reducing reporting latency by 40%.
- Enforced strict data integrity using PostgreSQL triggers and constraints to prevent conflicting adoption statuses (e.g., preventing a pet from being adopted by two users simultaneously).

**RecipeGen App** | August 2025 – September 2025 | *AI Integration & React* | **Fort Wayne, IN**

- Developed a responsive **React** application that integrates with external **AI APIs** to generate structured recipes from unstructured user ingredients.
- Implemented asynchronous data handling and error management to ensure a smooth user experience while processing API requests.

## ACHIEVEMENTS

- Hackathon Winner: Secured 1st place at Zeus Learning's Internal Hackathon (2022) for building the "Recipe & Review Platform."
- Continuous Learning: Solved 250+ Data Structures & Algorithms problems on [LeetCode](#).
- Department Topper in Analysis and Design of Algorithms Course in Masters and Bachelors.