

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

- Lead technical code reviews for 50+ graduate students, enforcing modular design patterns and debugging complex Python/ML assignments.
- Facilitate weekly lab sessions on algorithm optimization, translating advanced NLP concepts into actionable documentation for student success.

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

- Engineered geospatial search features for a sports venue booking engine using **.NET Core and PostGIS**, reducing query latency by **40%**.
- Designed automated ETL workflows to replace manual data entry, boosting internal team efficiency by **80%**.
- Optimized PostgreSQL database schemas and built robust full-stack features, ensuring data integrity for high-volume booking transactions.

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

- Architected enterprise-scale LMS platforms using Angular, .NET Core, and SQL (MariaDB), supporting 10,000+ concurrent users.
- Built high-performance microservices integrating Docker, Redis, and Elasticsearch, slashing data retrieval latency by 60%.
- Implemented RabbitMQ for asynchronous messaging to handle traffic spikes, ensuring 99.9% system uptime during peak loads.
- Led rigorous load testing and production debugging, resolving critical race conditions to minimize downtime.

PROJECTS

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.

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.

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.