

Mayani Brijesh Agnihotri

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TECHNICAL SKILLS

Programming Languages: **C++, JavaScript (ES6+), TypeScript, Python, Java**

Frameworks & Libraries: **React.js, Next.js, Node.js, Express.js, HTML/CSS, Tailwind CSS, React Native**

Database & ORM/ODM: **MySQL, PostgreSQL, MongoDB, MS SQL Server, MySQL Workbench, Sequelize, Mongoose**

Tools and DevOps: **GitHub, Git, Linux, Docker, AWS, Message Queues (RabbitMQ), WebSockets, CI/CD, Superset, Agile, Jira, Postman, Swagger, System Design**

Certifications: [AWS Cloud Practitioner](#), [GitHub](#), [CI/CD](#), [Machine Learning](#), [Postman student expert](#), [Google Cloud](#)

WORK EXPERIENCE

Backend Developer – Lauren Information Technologies | (Hybrid) Mumbai, India **June 2024 – June 2025**

- Independently designed and implemented [recursive MongoDB aggregation pipelines](#) to fetch complex graph data.
- Built APIs and created SQL queries that store and retrieve data from 100K+ users on the platform.
- Developed a real-time dashboard with Apache Superset, optimizing data visualization for business insights.
- Contributed to building a distributed notification microservice using messaging queues to handle 5K+ messages/day.

Backend Developer Intern – Jamrio (Startup) | (Remote) Bengaluru, India **June 2023 – Oct 2023**

- Developed RESTful APIs using Node.js and Sequelize. Created core logic for matchmaking and swipe features.
- Collaborated with the team to develop the scalable backend for FCM notifications and platform subscription.
- Enhanced platform responsiveness through WebSocket integration. Used AWS S3 and successfully stored media files.

ACHIEVEMENTS

1st Place at InnervHacks (IGDTUW) among **3,564 participants across India**. [Certificate](#) **Oct 2022**

1st Place at Ideathon (SUPER AI Community, TCET) at the college level among **25+ teams**. [Certificate](#) **Mar 2023**

1st Place at IdeaFind+ (IEEE-RAS, VIT Chapter) across India. [Certificate](#) **July 2022**

Solved over 250 DSA questions on LeetCode and more than 350 questions across other platforms.

TECHNICAL PROJECTS

Smart Waste Management System | React.js, Node.js, Express.js, MongoDB, JavaScript, MUI [GitHub Link](#)

- Developed three platforms: a citizen web app to schedule pickups, an admin dashboard for oversight, and a truck app with shortest-route navigation optimizing garbage collection and reducing fuel/time costs.
- The project has won a Hackathon and an Ideathon for providing a solution to the national waste problem.

Batao App | React.js, Node.js, Express.js, MySQL, JavaScript, REST API, Python, Sequelize, LLM [GitHub Link](#)

- Developed a platform for SMEs/SMBs to upload inventory and deploy a custom AI chatbot link for customer queries.
- Designed and implemented backend services with scalable architecture and system design best practices.
- Integrated a Python-based generative AI LLM model to enable natural, inventory-aware customer conversations.

EDUCATION

B.Tech – Artificial Intelligence & Machine Learning **Nov 2020 - June 2024**

Thakur College of Engineering and Technology | Courses: **DSA, OOP, OS, DBMS, SDLC, ML, BI** **CGPA: 9.3**

POSITIONS OF RESPONSIBILITY

Core Contributor (Software Development) – Shoemato, Easybiznus | Startup **July 2024 – Jan 2025**

- Led backend development for a multi-vendor B2B footwear platform serving retailers and wholesalers.
- Built SKU-level inventory, vendor mapping, and smart order routing to the nearest high-profit vendor.

Chairperson – Shastra Coding Club | Technical Club at TCET **May 2022 – June 2023**

- Led a 45-member team, organizing 14+ college coding contests with 700+ participants; mentored juniors in DSA.
- Shared resources and DSA questions with over **2,000+** students via the Shastra WhatsApp community.

Problem Setter – TCET CodeChef Chapter | Technical Club, TCET **May 2021 – May 2022**

- Created 10+ competitive programming problems and video solutions, ranging from easy to medium level.