

# JAY D DOSHI

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## Education

### Bachelors of Science in Computer Science major

University of Toledo

January 2025 – December 2027

Transferred GPA: 3.9/4.0

### Bachelor of Technology in Information Technology major

Lok Jagruti University

January 2022 – December 2024

CGPA: 7.8/10.0

## Technical Skills

**Programming Languages:** Java, Python, C++, C, JavaScript, HTML5, CSS3

**Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Django, Spring Boot

**Databases:** MongoDB, PostgreSQL, MySQL, Firebase

**DevOps & Cloud:** Linux, Git, Docker, AWS, Google Cloud Platform

**Tools & IDEs:** VS Code, Eclipse, Android Studio, PyCharm, Cursor

## Experience

### Team Lead | Lok Jagruti University

Mar 2023 – Sep 2024

- Managed 4 teams on diverse projects, gained expertise in various technologies simultaneously developing soft skills such as effective communication, project management, problem solving, and leadership.
- Conducted 5+ training sessions on project concepts like Schema Designing and Architecture, introducing tools like Git, GitHub, Eraser.io, and AWS enhancing team capabilities; equipped teammates with technical proficiency and boosted project contributions
- Applied a weekly progress review, streamlining communication and aligning teammates toward project goals by assigning tasks based on individual strengths, to foster collaboration; achieved increase in project delivery efficiency.

## Professional Projects

### SkillBridge Learning Platform | React, Node.js, Django, Prisma ORM, Gemini AI, AWS S3, PostgreSQL [Github Link](#)

- Designed complex database schemas to enhance data manipulation speed and overall application performance.
- Implemented JWT-based secure access management and integrated Google OAuth for seamless login functionality.
- Built an AI recommendation system with 95% accuracy using TF-IDF and a NN chatbot with 75% response accuracy.

### Smart Obstacle Avoidance Vehicle | IOT - AurdinoUNO, C++, Git, Github

[Github Link](#)

- Programmed Arduino-based vehicle with ultrasonic sensors and Bluetooth for obstacle avoidance.
- Integrated hardware (sensors, motors) and debugged wiring, boosting performance through team collaboration.
- Wrote reusable C++ code with libraries (Servo, AFMotor) that has smartphone control.

### DeepTruth-AI | Linux, React, Django, Hugging Face, AWS, GCP, MongoDB

[Github Link](#)

- Fine-tuned DistilBERT on 9,500+ labeled samples and implemented semantic search by the Brave Search API; validated results using Gemini API for enhanced accuracy and relevance.
- Deployed frontend on AWS Amplify with GoDaddy domain; and backend on Google Cloud VM with server hardening.
- Implemented GitHub Actions for automated server updates post-deployment; scheduled DistilBERT model retraining using AWS Lambda and CloudWatch for increasing accuracy of the model by 30 % every week.

### Sports Sight Analytics | Machine Learning, YOLO, OpenCV, NumPy, Matplotlib

[Github Link](#)

- Developed ML-powered sports analytics system with 90% accuracy in player detection and tracking.
- Implemented team classification using K-means clustering and optical flow for movement analysis.
- Created comprehensive match statistics system for ball possession and player metrics.

## Achievements

- Secured 1<sup>st</sup> place among 200+ participants in Gujarat University's State-Level Technical Quiz Competition.
- Winner of RocketHacks Hackathon among 120+ participants at the University of Toledo for Best Use of MongoDB.
- Selected among top 5% for the Startup Hub Mentorship Program by LJ Incubation Cell.
- Solved 100+ DSA and SQL problems on LeetCode with 60%+ accuracy.
- Delivered best presentation on Phantom Wallet at Solana DevFest [Link](#)

## Certifications

Advanced Data Analysis and Machine Learning – Coursera [Link](#)

AWS Cloud Tech Essentials – Coursera [Link](#)

1st Position in Techno Quiz – Gujarat University [Link](#)

LJ Innovation Village – LJ University [Link](#)