Gaurav Wani

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Education

Bachelor of Technology in Electronics & Telecommunication — May 2025
B.R.A.C.Ts Vishwakarma Institute of Information Technology, Pune, Maharashtra — **CGPA:** 7.76/10

Experience

TATA Motors —— *AI/ML Developer Intern* — Dec 2024 – Present

- Developed a predictive AI model to improve workshop efficiency, contributing to better operational workflows.
- Developed a software automation to make decision making faster.

IBM SkillsBuild – CSRBOX —— *Data Analytics Virtual Intern* — Oct 2023 – Nov 2023

- Completed 8 professional courses on the IBM SkillsBuild platform with hands-on experience in data analytics.
- Participated in masterclasses led by industry experts, gaining practical insights into data-driven decision making.

Projects

Football Match Analysis System —— *YOLO, K-means Clustering, Optical Flow, Python, OpenCV, Roboflow*

- Designed and implemented a real-time object detection system using YOLO, achieving 95% accuracy in tracking players, referees, and the ball.
- Employed K-means clustering for automated team identification based on t-shirt color analysis.
- Integrated optical flow techniques to maintain accurate tracking despite camera movement.
- Applied perspective transformation to convert pixel measurements to real-world metrics (e.g., player speed and distance).

SocialApp—— *Django, Python, HTML, HTMX, JavaScript*

- Engineered a modular Django backend with discrete apps (users, posts, landing pages, inbox, nested replies) for high maintainability.
- Leveraged Django's authentication framework for secure user login and robust session management paired with advanced logging.
- Integrated Django's MVT architecture with dynamic HTML templating and JavaScript for responsive UI components.
- Utilized Git version control to enforce best practices in iterative development and continuous integration.

Tasks App —— *Node.js, Express.js, PostgreSQL, Prisma ORM, JWT, Docker, Docker Compose*

- Developed a full-stack task management application with a Node.js backend and PostgreSQL database.
- Implemented secure user authentication and authorization using JWT.
- Built RESTful APIs for CRUD operations to manage tasks efficiently.
- Containerized the application using Docker and orchestrated services with Docker Compose.

Technical Skills

Programming Languages: C++, Java, JavaScript, Python, C, SQL
Databases   : MySQL, PostgreSQL, MongoDB, Amazon RDS
Cloud Platforms   : AWS, GCP
Technologies   : DevOps, Machine Learning & AI, Full Stack Web Development, Data Science

Certifications and Badges

- AWS Cloud Tehnology Consultant (Specialization)
- Google IT Automation with Python (Specialization)
- AWS Academy Cloud Foundations
- Data Analysis with Python