

Tejas Gaikwad

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EDUCATION

State University of New York at Buffalo, Buffalo, NY

Aug 2024 - Present

Master in Computer Science

Grade: 3.5

Related Courses: Cloud Computing, Software Design, Software Security, Data Visualization, Human-Computer Interaction.

Vishwakarma Institute of Technology, Pune, India

Jul 2020 - Aug 2024

Bachelor of Technology in Electronics and Telecommunication Engineering

SKILLS

Languages: Python, R, C++, Java, C#, JavaScript, HTML/CSS, .NET, JSX, TypeScript.

Frameworks & Technologies: React, Next.js, Node.js, Flask, FastAPI, Express.js, Angular 16+, Vue.js.

Developer Tools: Git, Docker, CI/CD (Jenkins, GitHub Actions, GitLab CI/CD), Jupyter.

Databases & Cloud: PostgreSQL, MySQL, MongoDB, GCP, AWS, Google Cloud.

AI/ML: Python pipelines, LLM integrations, Pandas, NumPy, Pytorch, TensorFlow, Matplotlib, seaborn, RAG, Selenium.

Skills: Software Development, System Design, API Integration, Code Optimisation, CI/CD Automation, Debugging, Version Control.

WORK EXPERIENCE

FindMe (Remote, USA)

Jun 2025 - Present

Full Stack Developer Intern (Next.js, React, Tailwind, Zod, Zustand) (Developed a full stack webapp from 0 to 100% completion)

- Faced complex Figma-to-code conversions; designed responsive UIs with **Next.js, React, and Tailwind CSS**, creating reusable components, reducing frontend build time by 25%.
- Needed secure, accurate data processing; handled form submissions via RESTful APIs in **Node.js/Express** and optimized **MongoDB** workflows, processing 1000+ entries with 98% accuracy.
- Collaboration and delivery speed issues; leveraged **Git for version control**, managed feature branches, reviewed pull requests, and iteratively tested frontend-backend integration, achieving 20% faster feature delivery.

SmartLeaven Digital Systems Pvt Ltd

Jul 2023 - Jun 2024

Software Developer (handled 10,000+ daily API calls)

- Challenged by real-time data demands, designed and deployed modular backend systems with **Node.js, Express.js, and MongoDB**, improving responsiveness by 25% through optimized routing and middleware.
- To enable secure large-scale device-cloud communication, architected scalable RESTful APIs with comprehensive error handling, logging, and versioning, **successfully handling 10,000+ API calls daily**.
- Performance limitations on **Jetson Orin** devices were addressed by boosting efficiency by 30% while managing MongoDB and SQL operations, **streamlining deployments with Docker and Kubernetes**, reducing update and recovery times by 40%.

BARC (Bhabha Atomic Research Centre, India)

Jun 2023 - Aug 2023

Machine Learning Intern (worked with a database with 10+ million rows of nuclear data)

- **Real-time industrial data modeling** was required; **created automated ML pipelines** with feedforward neural networks to simulate data and predict liquid levels, accelerating model training by 25%.
- Manual data workflows slowed predictions; automated key processes and integrated timestamped simulators, boosting decision-making speed by 30% and improving predictive efficiency.

PROJECT & RESEARCH PAPER

[All Projects](#)

JobLeap - MERN Job Board (Docker, JWT, GitHub Actions, AWS EC2)

[GitHub](#)

- Architected a job board platform using **React.js, Node.js/Express, and MongoDB Atlas** with **JWT-based authentication** and role-based access control, **supporting 500+ job postings during testing**.
- Integrated **OpenAI API** for intelligent job description suggestions, containerized the application with **Docker**, and deployed on **AWS EC2**, using **GitHub Actions** for **CI/CD** to automate testing and deployment pipelines in a production-ready environment.

Virtual Clothes Try-on: Chrome Extension (Utilizing GenAI, IDM-VTON, and Node.js backend)

[Try](#) [GitHub](#)

- Engineered a Chrome extension with **IDM-VTON GenAI**, enabling virtual try-ons on retail sites and reaching **1,000+ early users**.
- Implemented a Node.js backend for image processing and garment rendering, ensuring fast and accurate virtual try-on experiences.
- Crafted an intuitive UI for seamless clothing selection and quick access to recently uploaded images.

Microservices-based Web Development (REST APIs, JSON, Node.js, JavaScript)

- Architected a job board platform using **React.js, Node.js/Express, and MongoDB Atlas** with **JWT-based authentication** and role-based access control, supporting 500+ job postings.
- Integrated OpenAI API for intelligent job description suggestions, enhancing recruiter productivity and improving posting quality.
- Containerized with Docker, deployed on **AWS EC2**, and implemented **GitHub Actions CI/CD pipelines** for automated testing and production-ready deployment.

Tejas Gaikwad, ["Crop-Weed Detection, Depth Estimation and Disease Diagnosis"](#), Springer Nature, 2023.