

Satyam Tomar

LinkedIn: linkedin.com/satyam-tomar
GitHub: github.com/satyam-tomar

Email: satyamtomar41015@gmail.com
Mobile: +91-7302374964

SKILLS

- **Languages:** Java (DSA), Python, JavaScript, SQL
- **Frameworks:** Node.js, React.js, Express.js, EJS, Bootstrap, HTML, CSS, Tailwind CSS
- **Tools/Platforms:** MongoDB, MySQL, n8n, Automation Anywhere, Canva, Git, GitHub
- **Machine Learning:** Regression, Classification, Clustering, NLP, RAG (Retrieval-Augmented Generation)
- **Data Science:** Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
- **DevOps:** Docker, CI/CD Pipelines

INTERNSHIP

- National Load Despatch Centre, GRID India | MERN Stack Intern** Jun' 25 - Aug' 25
- Engineered a Demand Analysis Portal using the MERN stack to visualize and manage energy demand data.
 - Refined the database schema and migrated legacy datasets, improving **data retrieval speed by 30%**.
 - Established secure RESTful APIs with JWT authentication and secure middleware for protected data access.
- Tech stack used:** MongoDB, Express.js, React.js, Node.js, ECharts, RESTful APIs
- Nischay Foundation | Web Content Developer** Jun' 24 - Jul' 24
- Modernized the Organization's website by creating and managing content through WordPress.
 - Updated new posts and pages while optimizing website structure for improved accessibility and navigation.
 - Standardized the user interface layout to align with the organization's mission and branding.
- Tech stack used:** WordPress

PROJECTS

- VisionCloud - AI-Powered Smart Surveillance System | Github** Oct' 25 - Nov' 25
- Designed a cloud-based AI surveillance system that **connects standard IP cameras** via Wi-Fi to a web portal, converting them into intelligent vision devices for roads and hospitals
 - Leveraged Hugging Face models (BLIP, YOLO) and Generative AI APIs for real-time face recognition, scene description generation, and AI-driven Q&A interaction with **~80% accuracy**.
 - Containerized the system using **Docker**, enabling scalable cloud execution, live streaming and automated AI insights.
- Tech stack used:** Python, Flask, Hugging Face APIs, Docker
- LuxuryDrive - Vehicle Rental Platform | Github | Live** Aug' 25 - Sept' 25
- Developed a **RESTful API** integrated with **MongoDB** for seamless CRUD operations, handling all core application functionalities.
 - Incorporated **MVC architecture**, integrated **Google OAuth 2.0** authentication, and leveraged **Cloudinary** for secure user data and media management.
 - Crafted a responsive, mobile-first interface using **HTML, CSS, JavaScript, and Bootstrap**, ensuring cross-device accessibility
- Tech stack used:** Node.js, Express.js, MongoDB, EJS, Google OAuth, Cloudinary

TRAINING

- Cipher Schools | Machine Learning with Data Science** Jun' 25 - Jul' 25
- Performed data cleaning and preprocessing using Excel and Python to prepare high-quality datasets.
 - Applied supervised and unsupervised ML models, building projects and achieving up to 92% accuracy.
 - Utilized Seaborn and Matplotlib for data visualization and pattern analysis through EDA.

CERTIFICATES

- Generative AI - Oracle University | [Link](#) Oct' 25
- Vector Search - Oracle University | [Link](#) Oct' 25
- Cloud Computing - NPTEL | [Link](#) Apr' 25

ACHIEVEMENTS

- Solved **250+** DSA problems on **LeetCode**, **GFG**, and **HackerRank**, strengthening problem-solving skills.
- Served twice as Class Representative, leading academic coordination and communication.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; **CGPA: 8.69** Since Aug' 23
- **Alpine Public School** Baghpat, Uttar Pradesh
Intermediate; **Percentage: 84%** Apr' 22 - Mar' 23
- **Alpine Public School** Baghpat, Uttar Pradesh
Matriculation; **Percentage: 86.4%** Apr' 20 - Mar' 21