Abhishek Thakare

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Professional Summary

B. Tech graduate in Electronics & Telecommunication Engineering from VIIT Pune (2025), with hands-on experience as an **AI/ML** Intern at Tata Motors. Proficient in **Python, ML, Flask, SQL, and cloud tools**, with a strong foundation in **software development** and **data analytics**. Developed production-level web interfaces and dashboards during internship. Seeking full-time opportunities as a Machine Learning Engineer, Software Developer, or Full Stack Engineer.

Education

- **Vishwakarma Institute of Information Technology, Kondhwa, Pune** **2021-2025**
  B.Tech. - Electronics & Telecommunication | CGPA: **8.05**
- **Decent Junior College, Sadar, Nagpur** **2020-2021**
  HSC – Science | Percentage: **95.83%**
- **SFL Highschool, Dhamangaon, Amravati** **2018-2019**
  SSC – Semi-English | Percentage: **88.60%**

Work Experience

AI/ML Intern – TATA Motors, Pune (On-site) **Dec 2024 – June 2025**

- Developed an AI-based task allocation system to optimize supervisor lineup time, improving shop floor efficiency.
- Created a Vehicle Component (VC) Tracker to monitor real-time component status across manufacturing stages.
- Built a MASOP (Manufacturing SOP) dashboard for the Tata Winger body-building process.
- Learned and implemented **HTML, CSS,** and **JavaScript** to build responsive web interfaces for these AI systems.
- Collaborated with other factories to solve real world problems.

Skills

- **Programming Languages:** Python, C++, SQL, JavaScript
- **Web Development:** HTML5, CSS3, Flask
- **Machine Learning & AI:** Scikit-learn, Pandas, NumPy, TensorFlow, Keras
- **Dashboarding & Visualization:** Power BI, Microsoft Excel, Matplotlib
- **Cloud & DevOps:** AWS, Git, GitHub, CI/CD
- **Databases:** MySQL, SQLite
- **Tools & IDEs:** Jupyter, Postman, VS Code, Microsoft 365 Apps
- **Soft Skills:** Team Collaboration, Project Management, Leadership, Adaptability, Communication

Academic Projects

- **Brain Tumour Detection using CNN**

Tools: Python, Keras, OpenCV
Developed a deep learning-based interface to detect brain tumours from MRI images using Convolutional Neural Networks (CNN).
Pre-processed medical imaging data trained a CNN model and deployed a simple GUI for real-time tumour prediction.

- **Image Deblurring using Deep Learning**

Tools: Python, TensorFlow
Built a deep learning interface that restores sharpness to blurred images using an autoencoder-based model.
Implemented noise reduction and deconvolution techniques, improving image clarity in test cases by ~30%.

- **Hotel Management System – Full Stack Web Application**

Tools: HTML, CSS, JavaScript, Flask (Python), SQL (SQLite), Bootstrap
Designed and developed a full-stack hotel management that allows hotel staff to manage bookings, rooms, customers, and billing through a secure web interface. Added dashboard visualizations and integrated a relational database for data storage.

Certifications

- **IBM Full Stack Software Developer -** Coursera
- **IBM DevOps and Software Engineering** - Coursera
- **Python for non-programmers** – LinkedIn Learning
- **C++ Programming** – LinkedIn learning
- **Data Structures and Algorithms –** Infosys Springboard