

# Tejas Manoj Athalye

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Portfolio | GitHub | LinkedIn

## EDUCATION

- NBN Sinhgad Technical Institutes Campus** Pune, India  
*Bachelors of Engineering in Computer Engineering; CGPA: 7.89* 2021 – 2025

## EXPERIENCE

- Cloud Computing & Project Management Intern - KasNet Technologies Pvt. Ltd.** 2023 – 2024
  - Cloud Optimization:** Optimized Azure SQL, improving storage efficiency by 20%.
  - Data Visualization:** Developed Power BI dashboards, increasing data-driven efficiency by 30%.
  - Project Management:** Improved team collaboration by 15% through Agile methodologies.

## PROJECTS

- Varicose Veins Detection Using YOLO - AI-Powered Medical Diagnosis** GitHub
  - Deep Learning Model:** Developed a YOLO-based classification system enhanced with EfficientNet.
  - Dataset:** Curated 3,000+ images for training, improving detection accuracy.
- SwipeHire - AI-Powered Job Matching App** In Progress
  - Recommendation System:** Leverages resume analysis and engagement metrics for job matching.
  - Bidirectional Swiping:** Allows recruiters and candidates to match efficiently.
- NFTix - NFT-Based Ticketing Platform** GitHub
  - Blockchain Security:** Uses Solidity and IPFS for fraud prevention.
  - Smart Contracts:** Enables resale with royalties via smart contracts.

## TECHNICAL SKILLS

- Programming Languages:** Python, Solidity, Javascript.
- Technologies:** SQL, MongoDB, Smart Contracts, Web3, Cloud Computing (Azure), MS Excel, Power BI, Power Query, Linux, Generative AI, LLM.
- Frameworks & Libraries:** NumPy, pandas, scikit-learn, PyTorch, Matplotlib, Seaborn, Ultralytics, MLflow, React, Vite, NextJS
- Project Management & Tools:** Agile Methodologies, Jira, MS Project
- DevOps:** Docker, Kubernetes, CI/CD, Git, Github, Workflows

## PUBLICATIONS

- Detection of Varicose Veins Using YOLO:** Published in IARJSET, Vol. 11, Issue 10, 2024.  
DOI: 10.17148/IARJSET.2024.111012

## CERTIFICATIONS

- Azure Fundamentals (AZ-900)
- Google Advanced Data Analytics
- Google Cybersecurity
- Google Data Analytics
- Google Project Management
- Google Business Intelligence

## EXTRACURRICULAR ACTIVITIES

- Hackathon Achievement:** Winner of \$100 prize in 'OKTO Track' at UNFOLD 24, Bengaluru.
- FSAE Electric Racing:** Core member of STES Racing team for FSAE 2024; worked on powertrain and control logic.
- Sinhgad Capture Crew:** Photographer and media coordinator for institute-wide events under Sinhgad Technical Education Society.
- Event Leadership:** Led the Drone Flying Competition at Sinhgad National Springfest 2024.
- Sports:** 2× National Games Participant and 2× State Gold Medalist in Karate (2018, 2019).