# Ganesh Singh

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## Education

**Thakur College of Engineering and Technology (TCET)** Expected June 2027
*Bachelor of Technology in Artificial Intelligence & Machine Learning* *Mumbai, India*
- CGPA: 9.74 / 10.0

**Thakur College of Science & Commerce (TCSC)** June 2022 – March 2023
*Higher Secondary Certificate (HSC) – Science (Computer Science)* *Mumbai, India*
- Percentage: 71%

## Experience

**AI & ML Intern** Dec 2025 – Jan 2026
*DRSGA* *Mumbai, India*
- Engineered a real-time NABH compliance dashboard using JavaScript and Chart.js, visualizing 20+ KPIs and reducing manual audit time by 80% via automated PDF generation
- Developed an ML-based NLP sentiment analysis system exposed via REST APIs, analyzing 100+ client feedback records to generate actionable insights for data-driven decision-making

**Secretary** July 2025 – Present
*Super-AI Community* *Mumbai, India*
- Coordinated communication and documentation across technical and creative teams
- Orchestrated 15+ technical workshops and webinars, increasing community engagement by 40%

**Resource Intern** May 2024 – June 2024
*Junoon Foundation* *Mumbai, India*
- Developed and delivered academic worksheets for underprivileged students
- Supported educational drives impacting 100+ students and improved learning accessibility

## Projects

**ResQ-AI** | *Flutter, React, Node.js, Python, Solidity, LangChain* Aug 2025 – Sept 2025
- Engineered a safety ecosystem including a tourist mobile app, police dashboard, and blockchain backend
- Implemented Isolation Forest for anomaly detection and LangChain agents for automated FIR drafting
- Architected as a Smart Tourist Safety Platform to ensure real-time monitoring and rapid response for travelers

**Exo-Classifier** | *Python, XGBoost, Flask, Scikit-learn, Pandas, NumPy* Oct 2025 – Nov 2025
- Designed for Exoplanet Detection & Habitability Classification to support scientific insights and analysis
- Built an XGBoost classification model for exoplanet habitability, integrating SHAP and LIME for model interpretability and achieving 95% accuracy on NASA datasets

## Technical Skills

**Languages:** Python, Java, JavaScript, Dart, HTML/CSS
**Frameworks:** Spring Boot, Node.js, Express.js, Flutter, FastAPI, REST APIs
**Databases:** PostgreSQL, Firebase
**Libraries:** Pandas, NumPy, Scikit-learn, LangChain, LangGraph
**Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Power BI

## Achievements & Contributions

- **Technical Lead** – ACM SIG AI TCET; team leadership, SDLC management, software development, and production deployments
- **Author** – Research Paper on Artificial Intelligence for Preventing Environmental Crises
- **Global Nominee** – NASA Space Apps Challenge 2025
- **1st Runner-up** – IIT Kanpur CredTech 2025
- **2nd Runner-up** – TCET Codethon 2024
- **Finalist** – DIPEX 2025