

# Janhavi Revdekar

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## EDUCATION

<b>Vivekanand Education Society Institute of Technology</b> <i>B.E in Artificial Intelligence and Data Science, Honors in Industrial Automation (Avg CGPA: 8.64)</i>	Mumbai 2022–2026
<b>K.J Somaiya Junior College</b> <i>Higher School Education (Percentage: 79.83)</i>	Mumbai 2020–2022
<b>S.T. Xavier's High School</b> <i>Secondary School Education (Percentage: 94.00)</i>	Navi Mumbai 2017–2020

## PROJECTS

- Snugtail** | *Python, Flask, React, MongoDB*
- Created a full-stack web app using Flask (API) and React frontend for dynamic UI and backend services
  - Built adoption, volunteer coordination, and report pages to streamline rescue operations
  - Managed 10+ rescue cases via role-based dashboards, improving team coordination
- Finwise** | *React, Flask, Node.js, Firebase*
- Developed an AI-powered personal finance platform to track income, expenses, and savings goals with real-time data visualization and 90% accurate expense prediction
  - Integrated LLM-based assistant for financial advice, smart budgeting, and personalized learning mini-lessons
- Research Colab** | *Python, React, Flask, Hugging Face, FastAPI*
- Integrated PEGASUS for high-quality summaries, cutting review time by 60% vs. manual reading
  - Implemented intelligent paper and dataset search using TF-IDF and OpenAI embeddings for semantic relevance
  - Automated EDA with a one-click tool, cutting analysis time from 30+ mins (manual) to under 2 mins per dataset
- AI Learning Assistant** | *Python, Transformers, React, Node.js*
- Predicted stress and difficulty level, and built a study tutor using models like T5-small and DistilBERT
  - Used Gradient Boosting and Random Forest models for classification, achieving over 90% accuracy in user profiling
- EcoAdvisor** | *Python, Streamlit, Scikit-learn, Pandas, Matplotlib*
- Prepared a Streamlit web app providing personalized sustainability recommendations based on user lifestyle inputs
  - Designed an AI-powered sustainability assistant that predicts monthly electricity bills with 93% accuracy
  - Recommended personalized eco-friendly products and actions aligned with user consumption patterns

## EXPERIENCE

- Project Intern** January 2025 - May 2025  
*Panache Digilife Ltd*
- Developed an IoT-based AQI monitoring system tracking 5+ environmental parameters using calibrated sensors, tested across multiple microcontroller platforms and integrated with Firebase for real-time data storage
  - Resolved 15+ sensor reading errors through calibration and testing and maintaining over 90% system uptime
- Machine Learning Intern** January 2025 - February 2025  
*Suvidha Foundation*
- Fine-tuned PEGASUS on 5,000 Indian English news articles to generate concise summaries achieving 60–70% ROUGE scores

## TECHNICAL SKILLS

**Languages:** Python, SQL, Java, HTML/CSS  
**Frameworks:** React, Firebase, MongoDB, Streamlit, Tableau, FastAPI  
**Developer Tools:** Git, GitHub, Google Colab, VS Code, Jupyter, PyCharm  
**Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib

## ACHIEVEMENTS

- 2nd Place : IEEE UI/UX Competition– Designed an intuitive Figma-based interface to help users effectively balance work and personal life.
- Top 25 Teams – Shooting Star Foundation Girls Hackathon– Created a website promoting eco-friendly sustainability, featuring AI-based prediction of household electricity consumption.
- 2nd Place : TechTube Competition– Created a YouTube video on advancements in Artificial Intelligence, presented during the AI&DS Department's Technology Day
- 2nd Place – Talks and Tales, Veslag Circle-Participated in an interactive activity aimed at enhancing clarity in expression, listening accuracy, and collaborative communication