

# SURYANSH SAPEHIA

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## EDUCATION

**Vellore Institute of Technology**

Pursuing Bachelor of Technology in Computer Science – Artificial Intelligence; CGPA: 9.4

Bhopal, India

**September 2023 – May 2027**

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## SKILLS SUMMARY

- **Languages:** Python, Java, C++
- **Frameworks & Libraries:** TensorFlow, PyTorch, Keras, Flask, Streamlit
- **Tools & Databases:** Microsoft Excel, PowerPoint, MySQL, SQLite
- **Development Platforms:** Jupyter Notebook, Visual Studio Code, Google Colab, Kaggle notebook, Vertex AI, Android Studio
- **Soft Skills:** Problem Solving, Rapport Building, Excellent communication, Strong Stakeholder management, People Management

## PROJECTS

### Phishing Website Detection

**March 25- April 2025**

- Developed a supervised learning system to combat phishing by applying feature optimization to enhance model accuracy.
- Final model was deployed using Flask, creating a tool that provides real-time risk assessments to help users safely navigate the web.

### Dog Breed Analyzer using Transfer Learning

**May 25- June 2025**

- Tackled a multi-class image classification problem by designing a deep learning model using VGG19 and transfer learning in TensorFlow/Keras.
- Effective data processing and augmentation were key, and the model was deployed as an interactive Flask web application for instant breed identification.

### Sales Forecasting with Deep Learning

**August 25- ongoing**

- Addressed a time-series forecasting challenge by developing and comparing multiple deep learning models (LSTM, CNN, MLP) to predict future store sales.
- This involved evaluating model performance with RMSE to identify the most accurate architecture for demand planning.

### Fake News Detection

**March 25- April 2025**

- Combated misinformation by building an NLP classification system using TF-IDF for text vectorization and a Logistic Regression model for prediction.
  - Deployed the model as a user-friendly Streamlit web app to provide instant verification of news articles.
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## CERTIFICATES

### Artificial Intelligence ( SmartBridge association with Google for Developers) May 19- June 30, 2025

- Developed a strong foundation in AI, including machine learning, deep learning, and Generative AI principles using Google's Vertex AI platform.

### DP-900 ( Microsoft)

**June 30, 2025**

- Acquired foundational knowledge of Microsoft Azure's data services, including how to work with both relational and non-relational data on the Azure platform.

### Getting Started with Artificial Intelligence ( IBM )

**March 25-April 30,2025**

- Proficient in AI applications, with a strong foundation in Data Structures, core Machine Learning (Supervised, Unsupervised, Reinforcement Learning), and advanced skills in Generative AI and Prompt Tuning.
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## ACHIEVEMENTS

- **Secured 1st position in the Hack4Health Hackathon**, organized by the Health-o-Tech Club in collaboration with VIT Bhopal University, for developing an innovative health-tech solution addressing real-world medical challenges.
- **Achieved 3rd Runner-up position in the Cyber Safety Hackathon**, conducted by the Madhya Pradesh Police in association with VIT Bhopal University, by presenting a cybersecurity-driven solution to tackle online threats.
- **Led the social media strategy for the Pahadi Club**, designing and executing culturally rich campaigns that significantly increased engagement and enhanced awareness of regional heritage across digital platforms.