

# Sameer Pandey

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LinkedIn — GitHub

## Education

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**Vellore Institute of Technology (VIT)**  
Master of Computer Applications (MCA)

2024 – 2026

**Dr. Virendra Swaroop Institute of Computer Studies**  
Bachelor of Computer Applications (BCA)

2021 – 2024

## Skills Summary

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- **Programming:** Python, Java, C++
- **Web Development:** HTML, CSS, JavaScript (ReactJS, NodeJS)
- **Database Management:** MySQL, MongoDB
- **Tools:** Android Studio, Git, VS Code, Firebase, Colab, TensorFlow
- **Soft Skills:** Team Collaboration, Cross-Functional Coordination, Problem-Solution

## Internship Experience

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**Machine Learning Intern — Aican Automate**

Aug 2022 – Sep 2022

- Applied machine learning concepts to real-world classification challenges, achieving an average precision of 82%.
- Engineered and tuned models using Python and TensorFlow, improving accuracy by 15%.
- Collaborated with a 4-member team to debug and optimize hyperparameters, reducing training time by 20%.

## Projects

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### Campus Navigation App

- **Tech used:** Developed a hybrid indoor-outdoor navigation app using **Flutter and Google Maps API**.
- Integrated real-time tracking and custom overlays, increasing route clarity by **40%** based on user feedback.
- Enhanced navigation efficiency by **30%** via graph-based route optimization using **Dijkstra's algorithm**.

### Real-Time Chat Application

- **Tech used:** Developed a **real-time chat platform** using **Spring Boot** and **React.js**, enabling seamless private and group messaging.
- Implemented **WebSocket and STOMP protocols**, ensuring real-time communication and a **15% boost** in usage metrics.
- Designed a responsive UI that enhanced user engagement by **25%**.

### Agro - Smart Farming Assistant

- **Tech used:** Designing and developing a full-stack agricultural web platform using React.js to assist farmers in decision-making.
- Optimized soil, crops, and fertilizer, boosting yield by **20%**.
- Integrated APIs and datasets to analyze agricultural parameters, improving decision-making speed by **25%**.
- Engineered a scalable farm data analysis dashboard, enabling real-time soil quality assessment and optimizing fertilizer recommendations.

## Certifications

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- Responsive Web Design - freeCodeCamp (Apr 2025)
- Prompt Design in Vertex AI - Google (Feb 2025)
- Foundations of UX Design — Google (Mar 2024)
- Career Essentials in Generative AI — Microsoft LinkedIn (Oct 2023)
- Machine Learning — Teachnook Wissenarie IIT Bhubaneswar (Oct 2022)
- Android Development — Dr. Virendra Swaroop Institute (Aug 2023)