NUPOOR SAGAR

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# Education

## VIT Bhopal University Bhopal, Madhya Pradesh

*BTech, Computer Science; Cumulative GPA: 9.05/10 Aug 2022 – ongoing (Expected Graduation: May, 2026)*

## Globus public School (12th Grade) Himmatnagar, Gujarat

*CBSE Cumulative GPA: 8.1/10 Jul 2021 – Jul 2022*

## Nand Vidya Niketan (10th Grade) Jamnanagar, Gujarat

*CBSE Cumulative GPA: 9.4/10 Jul 2019 – Jul 2020*

# Technical Skills

Automation (Google Apps Script, ChatGPT), GitHub, C++, Python (Pandas, Scikit-learn, Matplotlib), Docker, SAP ERP, Android Studio

# Experience

**Business Operations Analyst** — *KABE Car Rental Services* **(Jan 2025 - present)**

* Developed automation tools using Google Sheets and Google Apps Script, enhancing operational efficiency.
* Analyzed Excel data to streamline logistics coordination and improve client satisfaction.
* Automated invoice generation for customers and monthly car reports for management, ensuring accurate financial tracking.
* Managed customer inquiries, enhancing communication skills and contributing to high client retention.
* Executed multi-platform marketing strategies on X, WhatsApp, Reddit, and Telegram to boost brand visibility.

**SAP Intern** — *Nayara Energy Ltd.* **(Oct 2024 - Nov 2024)**

* Gained knowledge of the SAP Materials Management (MM) module, focusing on its integration within Nayara’s ERP system.
* Assisted in understanding procurement workflows, including PR, RFQ, PO, GRN, and MIRO processes.
* Familiarized with SAP Transaction Codes (T-codes) to support procurement activities.
* Collaborated on documentation related to supply chain management and inventory control.
* Learned about Delegation of Authority (DOA) processes, enhancing understanding of procurement governance.

# Projects

**PredictoCare Web App** — *Machine Learning, Python* **(Aug 2023 - Sep 2023)**

* Developed a ML-powered web app for tumor prediction to assist healthcare professionals in clinical decision support (CDSS).
* Devised a logistic regression model with 98% accuracy and deployed it using Streamlit.
* Boosted engagement by using radar charts and CSS-enhanced probability visuals for intuitive diagnosis support.
* **Dataset:** UCI Machine Learning Repository Breast Cancer Dataset

**CareConnect App** — *Android, Java* **(Sep 2023 - Nov 2023)**

* Built an Android app for healthcare supply donation and distribution.
* Features 4+ pages, including supply requests, donation tracking, and direct contact via phone/email implemented using intent.
* Integrated dropdown menus for ease of navigation.
* Made to support hospitals, NGOs, and streamline resource sharing in healthcare crises.
* Toast messages to confirm every request and donation action, enhancing user feedback.

**Federated Learning Implementation using Fitbit Data** — *Docker, Federated Learning* **(Nov 2024 - Jan 2025)**

* Implemented a privacy-preserving federated learning pipeline using Dockerized nodes (simulated Fitbit users) and FedAvg.
* Trained local models on patient data and aggregated updates into a global model using TensorFlow.
* Improved model accuracy across iterations.
* Containerized the entire system using VS Code and Docker.
* **Dataset:** Consists of SmartWatch Readings including BP, Oxygen Level, Stress Level, Activity Level, HR and Sleep Duration.

**Fruit Classifier using MobileNetV2** — *Neural Networks, Machine Learning* **(Jan 2025 - Apr 2025)**

* Built an advanced fruit classification model using the MobileNetV2 pipeline.
* Boosted validation accuracy from 68.69% to 84.44% by mitigating overfitting and addressing challenges like varied lighting and complex backgrounds.
* Drafted and proposed lightweight model optimized for real-world applications such as assisting visually impaired individuals in identifying fruits, enhancing automated checkouts in grocery stores and supporting inventory systems in agriculture and retail.
* **Dataset:** 9 fruits dataset by shreya.maher on kaggle was augmented for training and a test set of real world fruit images for validation was curated by me.

# Certifications

* Oracle OCI Generative AI Professional Certificate, AWS Cloud Essentials Certificate, AWS ML Associate (Udemy)

# Extra-curricular & Additional

* **Student Coordinator, IoT Club, VIT Bhopal:** Directed 10+ events and mentored 3+ teams.
* **Cricket Nationals Participant:** Competed at the U-17 and U-19 levels for Gujarat.
* **Languages:** Fluent in English, Hindi, and Gujarati.
* **Hobbies:** Fitness, Watching Sports, Solving Sudoku and Wordle.