Nupoor Sagar

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Education

VIT Bhopal University	Bhopal, Madhya Pradesh
BTech, Major in Computer Science, Minors in Health Informatics	Aug 2022 – ongoing
Cumulative GPA: 9.01/10	Expected Graduation Date: May, 2026

Technical Skills

C++, ML/DL algorithm debugging and analysis, Streamlit, GitHub, Google Apps Script, Android Studio, Docker, Seaborn, Matplotlib

Experience

Marketing Strategist & Logistics Coordinator – KABE Car Rental Services   Jan 2024 - 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.
- Integrated dropdown menus for ease of navigation.
- Made to support hospitals, NGOs, and streamline resource sharing in healthcare crises.

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 **PyTorch/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.

Extra-curricular

Student Coordinator, IoT Club, VIT Bhopal   Jan 2023 - Present

- Directed 10+ events, managing logistics and crowd.
- Mentored 3+ department teams for leadership and organizational development.

Cricket Nationals Participant   Jan 2016 - Nov 2018

- Competed at the Under-17 level and Under-19 level, while representing Gujarat in Cricket Nationals organized by SGFI

Additional

Languages: Fluent in English, Hindi and Gujarati
Certifications: Oracle OCI generative AI professional certificate, AWS cloud essentials certificate
Hobbies: Fitness, Watching Sports, Solving Sudoku and Wordle