Harsh Shinde

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KDK GROUP OF INSTITUTES

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech ETC	KDK College of Engineering, Nagpur	RTMNU	7.30	2021-2025
Senior Secondary	Shahu's Garden Convent, Nagpur	MSBSHSE	76.00%	2021
Matriculation	Shahu's Garden Convent, Nagpur	MSBSHSE	67.80%	2019

EXPERIENCE

- **Google Cloud Arcade Facilitator** | Kubernetes, Cloud Functions, Apigee, Firebase   *July 2024 to September 2024*
  - Mentored and guided 300+ students in Google Cloud Platform (GCP), covering Kubernetes, Cloud Functions, Apigee, Firebase, and core services like compute, storage, and networking.
  - Provided hands-on support with Kubernetes cluster management, serverless Cloud Functions, API management via Apigee, and Firebase integration for scalable applications.
  - Organized events, solved technical doubts, and maintained student engagement through continuous support and motivation.

PROJECTS

- **PDF Chatbot with LangChain and Streamlit** | Python, Streamlit, Docker   *Github Live**
  - The application processes and vectorizes PDF content using Hugging Face embeddings, allowing users to ask questions and retrieve relevant information from the uploaded documents.
  - Features include chunked text splitting, document embedding, similarity search, and text generation for effective question answering, all deployed using Docker for easy accessibility.
- **Land Cover Classification using Remote Sensing Data** | Python, GeoPandas, scikit-learn   *Github Live**
  - Developed a land cover classification system using Random Forest on Landsat and PALSAR images, applying SLIC-based segmentation to improve accuracy. Exported results in GeoTIFF and shapefile formats for GIS analysis and integration.

TECHNICAL SKILLS

- **Programming Languages**: C/C++, Python, R, Bash
- **Database**/**Cache**: PostgreSQL, MongoDB, Redis
- **Web Technology**: NodeJS, Flask, ReactJS, GraphQL, HTML, CSS
- **Tools**/**Platforms**: Linux, Docker, ArcGIS, QGIS, Earth Engine API, Nginx, GCP, Git, GitHub
- **Machine Learning**/**Deep Learning**: TensorFlow, PyTorch, scikit-learn, Keras, GeoPandas, GDAL, Rasterio, NumPy, OpenCV

COURSEWORK

- Database Management Systems
- Machine Learning
- Object-Oriented Programming
- Operating System
- Computer Networks
- Cloud Computing

POSITIONS OF RESPONSIBILITY

- **Google Cybersecurity Study Jams** | Mentor
  - Guided participants in understanding fundamental concepts of Cybersecurity and best practices in Linux.
  - Organized and facilitated hands-on workshops to enhance practical skills in cybersecurity tools and techniques.
  - Collaborated with fellow mentors to develop a comprehensive curriculum tailored for various skill levels.

ACHIEVEMENTS

- **Geo Spatial AI Challenge Second Runner-Up**
  - Our team secured 3rd place for the *Tree/Orchard Detection and Counting from High-Resolution Satellite Images* project in the Geo Spatial AI Challenge.
- **MLH Hackathon Runner-Up**
  - A competition by MLH where we presented an Inventory Management System, built with Angular, Spring Boot, and MySQL.
- **SaWiT.AI Challenge**
  - An competition focused on build a simple Retrieval-Augmented Generation (RAG) application, with 5000,000+ participants.
- **CodeChef(max)**
- **Codeforces(max)**
- **Leetcode: 60+ questions solved**

INTERESTS/HOBBIES

- Novels, Audiobooks, Drawing

STRENGTHS

- Teamwork, Management, Friendly, Adaptability