

# Govind Shukla

Nagpur, Maharashtra India

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## EDUCATION

### Ramdeobaba University, Nagpur

Bachelors of Technology in Computer Science and Engineering (Data Science)

Nov 2022 - Till date

**CGPA: 8.63/10**

### Shri K.K Ingle Jr. College, Gondia

Senior Secondary (Class XII)

Apr 2020 - Mar 2022

**Percentage: 79.8**

## PROFESSIONAL EXPERIENCE

### Frontend-Development Intern

Micropo Software Solutions Ltd.,Nagpur

Jun 2025 - Aug 2025

- Spearheading development of a custom Mini PACS (Picture Archiving and Communication System) tailored for hospital enterprise use, integrating with Orthanc for DICOM image storage and retrieval.
- Designed and implemented responsive UI interfaces using React.js, ensuring seamless navigation for radiologists and clinicians.
- Built secure API integrations with Orthanc Server to support DICOM modality worklist, querying (C-FIND), storage (C-STORE), and retrieval (C-MOVE).

## PROJECTS

### Real Estate Price Prediction, Analysis and Recommendation System

- Fine tuned an XGBoost pipeline to predict property prices based on real-estate attributes like built-up area, number of bedrooms, bathrooms, balcony, floor no, location and other factors. with MAE of 40,000 Rs.
- Created a recommender system to suggest 5 similar properties using location, furnishing, and size criteria.
- Created a analytical module to visually understand the quick analysis of a real estate property through wordcloud, graphs and highlighting other trends of the real estate data.
- Integrated the model, recommender system, analytical module into Streamlit dashboard for user interaction.

### Music Generation Using LSTM

- Pipelined a Music Generation Model using LSTM network to generate monophonic melodies, leveraging TensorFlow, Keras, and Music21 for data pre-processing and model training achieving 85% accuracy.
- Orchestrated a symbolic music data pre-processing pipeline for .krn files, automating data encoding, sequence generation, and musical note mapping, ensuring data integrity and compatibility for model training.
- Implemented temperature-based sampling to enhance the creativity of generated melodies, achieving a balance between predictable and diverse music generation.

### The CryptoWorld

- Built a responsive Crypto Tracker web application using React.js and integrated multiple cryptocurrency APIs via CoinGecko API to display real-time prices, market caps, and trading volume for 300+ coins.
- Implemented news integration through RapidAPI's crypto news endpoints, enabling users to view the latest blockchain and cryptocurrency news from multiple global sources.
- Created dynamic and interactive data visualizations using Chart.js to show historical trends, price movements, and performance comparisons across different timeframes.
- Enhanced user experience and application performance with features like search, filtering, and responsive design, ensuring cross-platform compatibility.

## CERTIFICATIONS

### • OCI AI Foundations Associate:

Certified in fundamental AI, ML, deep learning, and Generative AI concepts using OCI services and tools.

### • OCI Data Science Professional:

Skilled in end-to-end ML model development, deployment, and MLOps on OCI.

## SKILLS AND LANGUAGES

- **Programming Languages:** C/C++, Java, Python, HTML, CSS, JavaScript, React.js, SQL, Streamlit.
- **Tools:** Microsoft PowerBI, Tableau, Microsoft Excel, Github, VScode, MySQL.
- **Libraries and Framework:** Tensorflow, Keras, Scikit-learn, SciPy, NumPy, Pandas, Seaborn, Matplotlib, Tailwind, OpenCV.

## RELEVANT COURSEWORK

Data Structures and Algorithm, Database Management System, Object Oriented Programming, MySQL, Machine Learning, Artificial Intelligence, Deep Learning, Frontend Development, Computer Vision.