Rutwik Muley

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SUMMARY

Detail-oriented **Artificial Intelligence** student with a published **IEEE research paper**. Proven ability to deliver **full-stack applications** and completed projects, demonstrated through the development of a linguistic database for an under-resourced language and a published game. Seeking to apply skills in **Python**, **NLP**, and **backend development** to solve challenging problems.

EDUCATION

G.H. Raisoni College of Engineering and Management   Nagpur, India
Bachelor of Technology in Artificial Intelligence; CGPA: 8.96/10.0   *2023 – 2027 (Expected)*
Champavati Junior College   Beed, India
Higher Secondary Education (HSC); Percentage: 78.5%   *2020 – 2022*

PROJECTS

Gondi WordNet | *Python (Flask), PostgreSQL, NLP, Render*
- **Architected** a comprehensive linguistic database (**WordNet**) for the under-resourced Gondi language to advance **computational linguistics** research.
- **Engineered** and **deployed** a **full-stack web application** providing a public-facing UI for data interaction, available at gondi-wordnet.onrender.com.
- **Authored** a research paper on the project, resulting in **publication** in a 2024 **IEEE** international conference.

Endless Cube Runner Game | *Unity3D, C#*
- **Engineered** a **3D endless runner game** in **Unity3D/C#**, handling all aspects from physics to UI design.
- **Spearheaded** the project from concept to **deployment** on itch.io within a demanding one-week timeframe.

PUBLICATIONS

Gondi WordNet | *IEEE Xplore*   Dec 2024
- Authored a paper on the Gondi WordNet's **architecture** and **implementation**, **published** in the proceedings of the **2024 International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Application (ICAIQSA)**.

TECHNICAL SKILLS

Languages: Python, Java, C, C#, HTML/CSS, SQL
Databases: PostgreSQL
Developer Tools: Git, GitHub, Unity3D, Google Colab
Cloud & Deployment: Supabase, Vercel, Render
Areas of Interest: Artificial Intelligence, Machine Learning, Backend Development, NLP

ACHIEVEMENTS & EXTRACURRICULARS

Completed 2 levels of examination in Indian Classical Music (Harmonium), demonstrating nine years of disciplined practice.