


ARYAMAN SARANGI
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SKILLS

- ❖ **Java, Python(Basic),C++(Basic)**
- ❖ **HTML, CSS, Javascript, React.js**
- ❖ **MySQL**
- ❖ **Git, GitHub**

EDUCATION

- ❖ **B.Tech- CSE (Cloud computing and automation)** *CGPA: 8.52 | 2022-2026*
VIT Bhopal University,Bhopal
- ❖ **XII (CBSE) | Vikash the concept school, Sambalpur** *95.0% | 2021*
- ❖ **X(CBSE)| Jawahar Navodaya Vidyalaya, Balangir** *92.0% | 2019*

EXPERIENCE

Academic Projects & Independent Learning

- Implemented ML models on real-world datasets and analyzed performance metrics
- Collaborated on frontend-backend integration in group-based web development projects

ACADEMIC PROJECTS

- ❖ **TranscribeMate: Speech-to-Text Converter**
Technologies: React.js, Speech Recognition APIs, CSS styling
 - Built a fully responsive React.js application enabling real-time speech transcription
 - Integrated browser-based Speech Recognition API with 95% accuracy in ideal conditions
 - Conducted cross-browser testing to ensure functionality and accessibility
- ❖ **Student Query Resolution Chatbot**
Technologies: Python, NLP
 - Developed a chatbot that automated ~80% of common student queries using keyword-based NLP
 - Increased response relevance by 30% via rule-based intent matching
- ❖ **Crop Yield Prediction**
Technologies: Python, Machine Learning, Flask
 - Trained a Decision Tree Regressor using 5000+ data records across 5 parameters (rainfall, temperature, etc.)
 - Built a Flask web application for real-time yield prediction based on user input
 - Achieved prediction accuracy of ~85% after hyperparameter tuning and normalization

ACHIEVEMENTS

- ❖ Awarded a **Merit Certificate by CBSE** for scoring **100 in Mathematics** in Class X
- ❖ Played the lead role in Project Exhibitions held in my First and Second year.
- ❖ Represented school in a **Regional-Level Volleyball Tournament** .
- ❖ Participated in **Aarambh'23** and **Advitya'23** Volleyball events at university

EXTRA CURRICULARS

- ❖ **Languages:** English (Professional), Hindi (Fluent), Odia (Native).
- ❖ **Sports & Hobbies :** Passionate volleyball player and cricket enthusiast
- ❖ **Interests:** Travel and cultural exploration; visited 6+ Indian states