

Ronit Murpani

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EDUCATION

VIDYALANKAR INSTITUTE OF TECHNOLOGY

B.E - INFORMATION TECHNOLOGY

CGPA: 9.47/10

2020-2024 | Mumbai, Maharashtra

SMT. CHM COLLEGE

HIGHER SECONDARY - SCIENCE

2019-2020 | Ulhasnagar, Maharashtra

LINKS

GitHub:// [ronitttm](#)

LinkedIn:// [ronitttm](#)

SKILLS

TECHNICAL

Python • SQL • Machine Learning
• Django • Data Structures • OOPS
• NumPy • Pandas • API Testing
• REST APIs • AWS • Hadoop

TOOLS

Jupyter • Google Collab • Canva
• GIT • MySQL • Postman • Linux

FAMILIAR

JavaScript • MERN • PowerBI
• Cloud Computing • TypeScript

EXTRACURRICULAR

- Top Machine Learning Voice - LinkedIn
- Postman Student Expert
- Vice President - ITSA VIT
- Joint Technical Secretary - Verve VIT

RESEARCH WORK

"CryptoLabs - A Virtual Playground and Lab for Learning Cryptography"

- Presented at 18th IndiaCom; 11th International Conference on Computing for Sustainable Global Development, Bharti Vidyapeeth, Delhi, 28th March 2024.

"Machine Learning Algorithms for predicting Cardiac Arrhythmias"

- Presented at 5th International Conference of Artificial Intelligence and Speech Technology, IGDТУW, Delhi, 26th November 2023.

EXPERIENCE

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IoT INTERN

June 2023 - August 2023

- Implemented IoT solutions using NodeMCU for real-time faculty attendance tracking.
- Actively deploying RFID technology to monitor the presence of staff members within an educational institution.

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MACHINE LEARNING INTERN

June 2023

- Predicted Cardiac Arrhythmia with an accuracy of **93%** by Implementing Machine Learning technologies.
- Developed a solid understanding of Machine Learning's best practices and trends through active learning during the internship.

FREECO EDUCATION

QC EXPERT

December 2021 – July 2022

- Demonstrated expertise as a rigorous Quality Checking Expert at FreeCo Education, carefully assessing the correctness of questions uploaded to the Brainly platform. Learnt the basics of MS-Excel.

PROJECTS

TEXTBITWIZ | AI TEXT SUMMARIZER

- Built an AI text summarizer using Hugging Face's BART model, highlighting expertise in NLP and machine learning for automated and improved summarization.

VFACTUS | STAFF AVAILABILITY MANAGEMENT SYSTEM

- Built an IoT attendance and availability system, cutting administrative and student efforts by **30%**, revolutionizing educational operations with real-time updates.

CRYPTOCALCI | CRYPTOGRAPHY VIRTUAL LAB

- Created CryptoCalci for interactive cryptography learning, boosting engagement by **20%** and knowledge retention by **50%**. Integrated web scraping for up-to-date blogs and videos, enhancing user experience with the latest content.

MUVIERA | MOVIE AND MUSIC RECOMMENDATION SYSTEM

- Used advanced text vectorization and cosine similarity for tailored recommendations, achieving an impressive **87%** accuracy and significantly enhancing the system's effectiveness.

COURSES AND CERTIFICATIONS

- Oracle Cloud Infrastructure Foundations Associate | Oracle
- Postman API Fundamentals Student Expert | Postman
- Machine Learning Rockstar Specialisation | SAS
- Using Python for Research | HarvardX