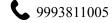
RISHIKA DHOTE











EDUCATION

Maulana Azad National Institute of Technology

B. Tech - Computer Science and Engineering - GPA: 7.65

Dec. 2021 - May 2025

Bhopal, MP

Kendriya Vidyalaya Sangathan School

Betul, MP Mar. 2020 – Mar. 2021

Senior Secondary (12th Grade) - PCM Stream - Percentage: 86.4%

COURSEWORKS

• Data Structures & Algorithms • Database Management Systems • Operating Systems

- · OOPs Concept

- Software Engineering
- Web Development
- Machine Learning
- C++

EXPERIENCE

Edunet Foundation in Collaboration with AICTE

Remote

Summer Trainee

Jun. 2024 - Jul. 2024

- Focused on Machine Learning model development and deployment using IBM Cloud and Watson Studio. Engineered an image classification model using MobileNet architecture, achieving 95% accuracy on real-world datasets.
- Gained hands-on experience with data preprocessing, transfer learning, model optimization, and cloud deployment, while strengthening remote collaboration and project ownership skills.

Ableon Connect Pvt Ltd, Bhopal

Certificate

Full Stack Developer

March 2024- May 2024

Worked on frontend development using React.js, creating multiple interactive and user-friendly pages. Contributed to building a seamless **internship platform** with enhanced navigation and usability.

PROJECTS

Image Captioning Model Machine Learning Mode | Python, TensorFlow, Keras, CNN, LSTM

- Designed and trained a deep learning model for image captioning, achieving 85% accuracy on the Flicker dataset.
- Integrated **computer vision and NLP models** to enhance image recognition and generate contextually accurate descriptions.

Hotel Management System | MySQL, MongoDB, Node.js, Express.js, React.js

- Built a full-stack hotel booking system with an interactive booking form & user dashboard for seamless UX.
- Implemented real-time booking, secure user authentication, and CRUD-enabled booking management, improving booking completion efficiency by 60%.
- Optimized backend performance, reducing server load time by 40% with efficient SQL schema design and API optimization.

Schizophrenia Diagnosis | Python, XGBoost, Random Forest, SHAP, SMOTE, CTGAN, scikit-learn



- Developed an explainable ML pipeline for early schizophrenia detection using dermatoglyphic and demographic data.
- Integrated SMOTE and CTGAN for class imbalance handling and SHAP explainability.

Tableau Sales Project

Analyzes year-over-year sales with total sales, profits, quantity, sales trends, product subcategories, and weekly sales-profit comparison. Tracks customer data, trends, and segments to improve marketing and satisfaction.

TECHNICAL SKILLS

Languages: C/C++, Python, HTML, Javascript

Technologies / Frameworks: Tailwind CSS, ReactJS, Express, JavaScript, NodeJS, C++ STL, MongoDB, MySQL

Tools: VS Code, GitHub, Google Colab, PowerBI, MS-Office, Tableau

Skills: Graphic Designing, Photoshop, Adobe Illustrator, Self-learning, Leadership, Event Management, Workflow Management

CODING PROFILES

Leetcode.

GeeksforGeeks.

Coding Ninjas □

CERTIFICATIONS

- Data Structures and Algorithm Geeksforgeek
- C++ Udemy.
- Artificial Intelligence and Deep Learning MANIT.

POSITION OF RESPONSIBILITY

Coordinator - Training and Placement(T&P) Cell Team Head - Zeenith Coding Club Creative Head (Web Developer) - Intellect Browsers' Consortium Lance Corporal, - NCC- National Cadet Corps

Mar. 2024 – Present Aug. 2024 - Present

Oct. 2022 - Present

Aug. 2022 - Present

ACHIEVEMENTS

- Ranked in the top 100 participants in the Code with Infy 2024 Hackathon.
- Ranked among the top 500 teams in India in the Amazon ML Challenge 2024.