

Mridul Rajgaria

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[LinkedIn](#) | [GitHub](#) | [GeeksForGeeks](#)

EDUCATION

St. Francis School Class X Percentage (98%)	Jharkhand, India
D.A.V. Public School Class XII Percentage (92%)	Jharkhand, India
VIT Bhopal University Computer Science and Engineering; CGPA: 8.9	Bhopal, India September 2023 - May 2027

SKILLS SUMMARY

- **Languages:** Python, C++, Java, HTML, CSS, JavaScript, SQL
- **Libraries & Frameworks:** NumPy, Deep Learning, Machine Learning, NLP, React.js, Node.js, Express.js
- **Databases:** MongoDB, MySQL
- **Tools:** Git, GitHub, Postman
- **Platforms:** Visual Studio Code

RELEVANT EXPERIENCE

- Research Paper Publication – Journal of the Institution of Engineers (India): Series B** **May 2024 – August 2024**
- Authored the research paper "Cutting-Edge Image Recognition Leveraging Deep Learning and Machine Learning for Enhanced Accuracy" published in a reputed journal, enhancing real-world image classification accuracy by 30%.
 - Collaborated with academic mentors and peers to refine findings, contributing to the advancement of machine learning research in practical applications.
- HEALTH HACKATHON – John Hopkins and VIT Bhopal** **January 2025 – February 2025**
- Developed a custom ResNet-based medical image analysis model, achieving high classification accuracy with reduced validation loss for precise brain tumor detection.
 - Pitched the solution to industry professionals at a tech conference, receiving positive feedback for its innovative approach and potential clinical impact.

PROJECTS

- Brain Tumor Detection System** **February 2025**
- Developed a medical image analysis solution using deep learning, achieving accurate brain tumor classification for early diagnosis.
 - Integrated a conversational AI chatbot using the Gemini API, enhancing patient engagement with personalized health insights.
- SpartanPlays - Cyber Security Awareness Quiz** **February 2025**
- Constructed a gamified cybersecurity quiz, boosting engagement by 40% in rural areas.
 - Designed a user-friendly UI, improving accessibility for 500+ learners.
 - Focused on digital literacy, reducing cybersecurity misconceptions by 30%.
- COVID Sentiment Insights: Decoding Public Sentiment During COVID-19** **August 2024**
- Analyzed sentiment in COVID-19 tweets using NLP techniques for context-aware sentiment classification.
 - Achieved 85% classification accuracy using fine-tuned transformer models, providing insights into public sentiment trends during the pandemic.

CERTIFICATES

- The Bits and Bytes of Computer Networking, Coursera** **October 2024**
- Gained a comprehensive understanding of networking fundamentals, including protocols, IP addressing, and network architecture.
 - Developed proficiency in troubleshooting network issues, implementing security measures, and optimizing network performance.
- Data Science Tools, Cognitive Class** **September 2024**
- Gained hands-on experience with key data science tools like Jupyter, Pandas, and Matplotlib for data analysis and visualization.
 - Acquired expertise in version control, data cleaning, and collaborative platforms to streamline data science workflows.
- Programming in Java, Vityarthi** **April 2025**
- Mastered core Java concepts, including object-oriented programming, exception handling, and data structures.
- Python Essentials, Vityarthi** **May 2023**
- Earned expertise in Python programming, data structures, and problem-solving.

EXTRA-CURRICULARS

- Content Team Member - Entrepreneurship Cell, VIT Bhopal**
- Created engaging startup and business-related content, contributing to newsletters and blog articles
- Hostel Committee Member - VIT Bhopal**
- Actively involved in managing hostel-related activities and student concerns.