

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: 8.96	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

- FoodPrep - Food Delivery Web** : [GitHub](#) July 2025
- Developed a full-stack food ordering platform with admin panel for managing dishes and orders.
 - Created responsive UI for browsing menus, placing orders, and tracking status.
 - Enabled CRUD operations and secure data flow using MERN stack technologies
- ShopHub - E-commerce Web Platform** : [GitHub](#) July 2025
- Built a full-stack e-commerce site using the MERN stack with dynamic product catalog and responsive shopping experience.
 - Integrated product listing, cart, and checkout functionalities with a responsive UI.
 - Utilized MongoDB for data storage and integrated Stripe API for secure payment processing.
- 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.

CERTIFICATES

- Modern Web Development with MERN Stack, FACE Prep** June 2025
- Gained hands-on experience in full-stack development using MongoDB, Express.js, React, and Node.js.
 - Built and deployed dynamic web applications with RESTful APIs, responsive UI, and database integration.
- Introduction to Machine Learning, NPTEL** April 2025
- Learned core concepts of supervised and unsupervised learning, including regression, classification, and SVM.
 - Applied model evaluation techniques to assess performance and build predictive solutions.
- 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.

EXTRA-CURRICULARS

- Content Team Member - Entrepreneurship Cell, VIT Bhopal**
- Hostel Committee Member - VIT Bhopal**