

Uma Bisht

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PROJECTS

- Jan 2024 **AUTOMATED LOG ANALYZER AND ERROR DETECTOR**
- Developed and deployed an automated log analyzer for real-time error detection using Python.
 - Reduced error detection time by 40% through efficient log parsing and SQL storage.
 - Automated execution with Unix shell scripting and integrated into a CI/CD pipeline using Jenkins, ensuring consistent application health monitoring.
- July 2023 **LUNG CANCER DETECTION USING DEEP LEARNING**
- Developed and deployed a convolutional neural network (CNN) using VGG16 for lung cancer detection.
 - Achieved an accuracy of 92% with the model.
 - Reduced false positives by 18% through the implementation of data augmentation techniques.
 - Deployed the model using Streamlit for real-time, web-based predictions.
 - Reduced prediction time by 30% through model optimization and efficient deployment techniques.
- Nov 2022 **TASK MANAGEMENT APPLICATION**
- Designed and developed a task management application using Node.js and Express framework.
 - Implemented user authentication and CRUD operations for tasks.
 - Used MongoDB for data storage solutions and optimized database queries for performance, reducing query time by 40%.
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WORK EXPERIENCE

- June - Aug 2024 **CODETECH IT SOLUTIONS PVT. LTD.**
 DATA SCIENCE INTERN
- Developed ML models to analyze customer behaviour, boosting prediction accuracy by 15%.
 - Automated data pipelines with Python, cutting manual handling time by 30%.
 - Collaborated with teams to integrate data solutions, enhancing project efficiency.
 - Optimized models through hyperparameter tuning, increasing accuracy by 20%. Documented processes for smooth knowledge transfer.
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EDUCATION

- 2021-2025 **GRAPHIC ERA HILL UNIVERSITY** Dehradun, Uttarakhand
 Bachelor's in Technology ; Majors in Computers Science and Engineering
 ● CGPA: 8.7
- 2019-2020 **ARMY PUBLIC SCHOOL** Almora, Uttarakhand
 Intermediate
 ● CGPA: 9.3
- 2017-2018 **ARMY PUBLIC SCHOOL** Almora, Uttarakhand
 High School
 ● CGPA: 9.2
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SKILLS

- **Technical Skills** : Python, C++, Unix/Linux ,Java ,JavaScript ,SQL, Shell Scripting, CI/CD Tools (e.g., Jenkins, Docker), Web Development.
 - **Hard Skills** : Data-driven Solutions, Debugging, Application Performance Optimization, Code Migration Application Health Monitoring, Automation, Bug Fixes, Monitor Performance, Monitoring Application, Performance Metrics, Product Development, Product Management, Software Development.
 - **Soft Skills** : Problem-solving, Critical thinking, Communication, Teamwork, Analysis, Assisting ,Collaborative work, Innovation, Brainstorming, Customer Focus, High Ownership, Operational Excellence
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ACHIEVEMENTS

- Secured 1st place in a 24-hour Hackathon for innovative software solution development.
- Participated in national coding competitions and hackathons, showcasing strong problem-solving abilities.
- Designed and implemented a solution during a national coding competition that reduced processing time by 40%, enhancing overall application performance; utilized algorithm optimization techniques to achieve this significant improvement.
- Led a team project that resulted in a 25% reduction in processing time for image classification tasks.