

Uma Bisht

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PROJECTS

- Jan 2024 **LUNG CANCER DETECTION USING DEEP LEARNING**
- Developed and deployed a convolutional neural network (CNN) using VGG16 for lung cancer detection and achieved an accuracy of 92% with the model.
 - Reduced false positives by 18% through the implementation of data augmentation techniques.
 - Reduced prediction time by 30% through model optimization and efficient deployment techniques.
- July 2023 **GENERATIVE AI TEXT SUMMARIZATION**
- Developed a text summarization tool to condense lengthy documents by up to 70%, providing concise summaries.
 - Utilized a Large Language Model for real-time processing, and handling documents with up to 50,000 words.
 - Implemented CI/CD pipelines for continuous integration and seamless deployment of model updates.
 - Ensures consistent and up-to-date model performance with streamlined deployment processes.
- Nov 2022 **CUSTOMER CHURN PREDICTION USING MACHINE LEARNING**
- Implement a machine learning model to predict customer churn for a telecom company. Used logistic regression, decision trees, and random forests for prediction.
 - Achieved an accuracy of 85%, with an F1-score of 0.82 and AUC-ROC score of 0.88.
 - Reduced churn prediction time by 35% through feature selection and optimization techniques.
 - Visualized important features using SHAP values for model interpretability, leading to a 20% increase in actionable insights for the business.
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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, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, NLP, NLTK, SpaCy, Hugging Face Transformers SQL, Database Management, SQL, Java, C++ , Data Structures and Algorithms, Object-Oriented Programming (OOP), Debugging.
 - **Hard Skills** : Deep Learning, Machine Learning, Neural Networks,Power Bi ,Statistical Analysis, Data Quality Reporting, Programming, Data Analysis, Data Security, Statistics, Data Modeling, Data Visualization, R, Strategy, Analytical Skills, Data Extraction, Agile Methodologies.
 - **Soft Skills** : Problem-solving, Critical thinking, Communication, Teamwork, Analysis, Assisting ,Collaborative work, Innovation, Brainstorming.
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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.
- Led a team project that resulted in a 25% reduction in processing time for image classification tasks.