Anoushka Anand
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EDUCATION

Medi-Caps University, Indore · 08/2021 - 05/2025
Bachelor of Technology in Computer Science Engineering · CGPA - 8.46/10

Delhi Public School, Indore
All India Senior School Certificate Examination · 94%

WORK EXPERIENCE

Indian Institute of Technology, Kharagpur · Kharagpur, India
Research Intern · March '24 - Present
- Researching best transformer models for feature segmentation, balancing accuracy and resources.
- Preparing dataset for road network detection with meticulous mask and label setup.
- Developing and evaluating segmentation models using Vision Transformers, ensuring reliability with statistical testing.

The Achiever's Academy · Indore, India
Web Development Intern · June '23
- Designed and developed a website using HTML and CSS
- Ensured the website is responsive, accessible, and user-friendly
- Collaborated with the senior web developer to ensure the website meets the client's requirements

PROJECTS

Text Summarizer
- Led NLP efforts in a text summarization project, extracting key insights from extensive text data.
- Developed NLP algorithms for text analysis, including tokenization and sentiment analysis, to create concise summaries.
- Collaborated on integrating NLP features into a comprehensive text summarization framework.

Potato Disease Classification
- Built a deep learning model using TensorFlow and CNN to classify potato leaves into early blight, late blight, and healthy leaves.
- Trained and evaluated the model using a split of the dataset into training, validation, and test sets.
- Achieved an accuracy of 98% on the test set, demonstrating the effectiveness of the model in classifying potato leaf diseases.

Face Mask Detection
- Developed a face mask detection system using deep learning techniques and the TensorFlow library.
- Built a Convolutional Neural Network (CNN) model to detect whether a person is wearing a mask or not in a given picture.
- Trained the model on a dataset of annotated face mask pictures using Keras and TensorFlow.

RESEARCH PUBLICATION

Enhancing Alpha Fold Predictions with Transfer Learning: A Comprehensive Analysis and Benchmarking

SKILLS

Technical: Python, Java, R, Pandas, HTML5, CSS3, Sklearn, Matplotlib, Seaborn, TensorFlow, NLP, Machine Learning, SQL
Tools: Microsoft Excel, PowerPoint, Figma

COMMUNITY SERVICE

- Traffic Mitr with the Indore Municipal Corporation

LEADERSHIP AND ACHIEVEMENTS

- Management Lead of the Student's Technical and Innovation Club
- Qualified for Smart India Hackathon 2023