

Amogh Warkhandkar

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EDUCATION

- **RWTH Aachen University** Aachen, Germany
M.Sc. Data Science – Grade: 2,4 2022 – Present
- **University of Mumbai** Mumbai, India
B.E. Information Technology – Grade: 1,5 (8.82/10.0) 2017 – 2021

EXPERIENCE

- **Tata Consultancy Services** Mumbai, India
Software Developer 2021 – 2022
 - Developed React.js and React Native applications, emphasizing modular and reusable components to streamline development processes and implemented comprehensive unit tests for robustness and reliability.
 - Independently managed the entire codebase, including bug fixes, documentation, and optimization efforts to meet objectives effectively.

PUBLICATIONS

- **LiveStyle – An Application to Transfer Artistic Styles** [arXiv]
10.5120/ijca2021921222 2021
 - Developed an application enabling high-quality artistic image generation through Style Transfer Techniques, utilizing VGG19, Inceptionv3 + MobileNet-v2, and CycleGAN Neural Networks.
- **Measuring Performance of Generative Adversarial Networks on Devanagari Script** [arXiv]
10.5120/ijca2020920393 2020
 - Showcased the effectiveness of Generative Adversarial Networks with real-life datasets by creating Devanagari script characters and applying Gaussian Blur, Otsu's Thresholding, and morphological operations for character processing.

PROJECTS

- **COVIDian**: COVID Tweet Sentiment Visualizer and Analyser with Live Tweet extraction, Region-wise Sentiment breakdown, and Machine Learning models deployed on AWS EC2.
- **Digital Wellbeing**: Personal Mood Detector and Mental Health Assistant with multi-device support, including Raspberry Pi integration.
- **COCO Object Detector**: Used COCO Single Shot MultiBox Detection pre-trained model to detect objects via Webcam or video source.
- **OCR Magic**: Utilized optical character recognition to extract document information with database integration.
- **Paws**: Pet Welfare Management System designed to efficiently manage veterinary appointments and pet information.

SKILLS

- **Communication**: English, German (A1), Marathi, Hindi
- **Programming**: Python, C++, JavaScript, Linux, Vim
- **Data Science**: NumPy, Pandas, Matplotlib, TensorFlow, PyTorch
- **Web Development**: React.js, Node.js, Three.js, Tailwind CSS

AWARDS

- **TCS CodeVita Season 9 – Competitive Programming Contest**: Round 1: All-India Rank 7487, Round 2: All-India Rank 128, Top 7% of qualified candidates.