PRIYA MAJHI

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EDUCATION

- Master's in Computer Application (**MCA**), National Institute of Technology, Jamshedpur : **8.03 CGPA**
- Bachelor's in Computer Application (BCA), Regional College of Management, Bhubaneswar : **84%**

SKILLS

- Technical Skills: C, C++, Java, SQL, JavaScript, **Python**
- IT Constructs: Data Structures & Algorithms, OOPs, Operating Systems, DBMS, GitHub
- Databases: MySQL, MongoDB
- Web development: HTML, CSS, JavaScript, React, Node.js

EXPERIENCE

Associate Software Developer at Venera Technologies *[Noida, India] [April '2024- December '2024]*

- Automated Deployment Processes: Developed a Python script to automate the **deployment, creation, security configuration, and updates** for **AWS EC2 instances**. Implemented Elastic IP assignments to ensure consistent network access, reducing manual effort and improving efficiency. Achieved an **87.5% reduction** in deployment time, decreasing it from 24 hours to just 3 hours, significantly improving operational efficiency.
- Transcription and Captioning System: Designed a Python-based solution to **automate transcription and caption generation using AWS Transcribe, Google Cloud, and Speechmatics (accuracy over 80%)**. Features include transcription job management, SRT subtitle generation, AWS S3 integration, and robust error handling, enhancing workflow accuracy and efficiency.
- OCR Feature Development: Engineered a high-accuracy **text detection and extraction feature** using Python, PyTesseract, and the EAST algorithm; implemented design improvements that resulted in **accuracy over 70-80%**

PROJECTS

- CRUDify
  - Engineered a robust web application using the MERN stack that facilitated secure user registration and login, enabling users to create, manage, and delete posts seamlessly through intuitive CRUD operations.
  - Technologies: HTML, CSS, JavaScript, React.js, Node.js, Express, MongoDB, Firebase.
- Medical Data Extraction Web App
  - Developed a high-performance OCR system using Python, Tesseract OCR, and OpenCV to extract patient and prescription data from PDFs, **processing 4,500+ documents in real-time, enhancing data accuracy, and improving patient service delivery metrics by 30%**.
  - Integrated a Streamlit frontend with the OCR backend, enabling real-time document processing, streamlining workflows across three departments, and optimizing efficiency for health insurance companies.
  - Technologies: Python, Tesseract OCR, OpenCV, Streamlit

ACHIEVEMENTS

- Global **Rank 39** in CodeChef START75D among **14,508 participants** *[Link]*
- Secured **Runner-Up** in All India Women Hackathon'23 Semifinal Round with **2000+ participants** *[Link]*

POSITION OF RESPONSIBILITY

Hostel President at Jubilee Hostel, *Regional College of Management, Bhubaneswar*

- Organized and coordinated 10+ hostel events, fostering community engagement
- Led a team to manage daily operations for over 500 residents