Swastika Kumari

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EDUCATION

Dumka Engineering College, Dumka   2020 - 2024
B. Tech in Computer Science and Engineering | **CGPA: 8.37**

Sido Kanhu Senior Secondary High School, Dumka   2017 - 2019
Intermediate | **63%**

WORK EXPERIENCE

COLLEGE DUNIA
Content Writer   March, 2025 - Present
- Develop and publish **SEO-friendly** content on diverse topics as per client requirements using **CMS** platforms.
- Edit, format, and revise content based on feedback while ensuring accuracy, consistency, and brand tone.
- Collaborate with internal teams to meet deadlines and maintain high standards of clarity and engagement.

SR EDU TECHNOLOGIES PVT. LTD., Hyderabad
Coding and AI Instructor   May,2024 – February, 2025
- Designed and delivered coding curriculums in **Python, Java, and Web Development (HTML, CSS, JavaScript)**, integrating project-based learning and real-world applications.
- Developed structured coding exercises, assessments, and interactive lessons to enhance problem-solving and creativity in students.
- Evaluated student performance, provided detailed feedback, and regularly updated educational content to ensure technical accuracy and industry relevance.

PROJECTS

Brain Tumour Detection using Deep Learning | Source Code
- **Preprocessing:** Resized images to **64×64 pixels**, applied **grayscale conversion & normalization** for better model performance.
- **Dataset:** Used **publicly available Kaggle dataset** with **3,058 MRI images** (2,998 training, 60 testing).
- **Model:** Trained a **Convolutional Neural Network (CNN)** with **Keras & TensorFlow** to classify tumors.
- **Deployment:** Built a **Flask web app** for real-time **MRI scan analysis & Tumor detection**.
- **Accuracy:** Achieved **85% classification accuracy** on test data.
- **Tech Stack:** Python, TensorFlow, Keras, Flask, NumPy, Pandas, Matplotlib.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript
Web Development: Flask, HTML, CSS
Databases: PostgreSQL, MySQL (Relational Databases)
Machine Learning & Deep Learning: TensorFlow, Keras, CNN
Data Science Libraries: NumPy, Pandas, Matplotlib
Computer Science concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming, SDLC
Other skills: SEO Optimization, Content writing, Technical Documentation, Google Docs, Microsoft word, Microsoft Excel

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CERTIFICATIONS
- Google IT Automation with Python | certificate
- Android App Development | certificate
- Data Analytics and Visualization Job Simulation by Accenture | certificate

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