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Education

Centurion University of Technology and Management

Bachelor of Computer Science and Engineering

July 2022– May 2026

Paralakhemundi, Odisha

A N COLLEGE PATNA

Intermediate

June 2017– May 2019

PATNA

S S PUBLIC SCHOOL

Matriculation

June 2016– May 2017

GOPALGANJ

Technical Skills

- **Programming Languages:** Python, C, Java, JavaScript
- **Web Technologies:** HTML, CSS, JavaScript, Node.js, React.js
- **Databases:** MongoDB, MySQL
- **Machine Learning & AI:** NLP, NLTK, Deep Learning
- **Computer Vision:** OpenCV
- **Libraries & Frameworks:** NumPy, Pandas, Matplotlib, PyTorch, Scikit-learn

Projects

Automatic Short Answer Question Generation Using Bloom's Taxonomy

- Technologies: Python, Machine Learning, Predictive Analysis
- Developed a website to automatically generate short answer questions based on provided information using Bloom's Taxonomy.
- Applied predictive models to analyze input data and generate relevant questions.
- Utilized machine learning algorithms to enhance the accuracy and relevance of question generation.
- Incorporated image processing techniques to analyze visual content and extract information for question creation.
- Employed video processing methods to handle video inputs, extracting key information for generating questions.

Master-Master Database Synchronization System

- Technologies: PHP, Python, MySQL, HTML/CSS, Shell Scripting, XAMPP, phpMyAdmin
- Designed and implemented a **master-master database synchronization system** that enables real-time data consistency between two MySQL databases (db1 and db2).
- Developed a secure **admin interface** using PHP sessions with authentication to trigger syncs and monitor logs through a dashboard.
- Integrated **Python backend logic** to handle data migration, conflict resolution, and log generation, triggered from the PHP frontend using `shell_exec`.
- Included features like **sync logging**, **error monitoring**, and **log export functionality**, demonstrating a complete backend-to-frontend pipeline for system admins.

Certifications

- Codetantra