

BALAKRAM TUDU

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Education

IGIT, Sarang | B.Tech (Computer Science) | July 2022 | CGPA - 8.15 |
Rajdhani Junior College, BBSR | 12th | May 2018 | percentage – 48.50
SSVM, Niladree Vihar | 10th | April 2016 | percentage - 67.50

EXPERIENCE

Technical Intern, JAVA TECHNOCRATE

- Work On PHP
- Revamp a PHP client management project with advanced technical upgrades.
- Refactor codebase using MVC or MVVM architecture, SOLID principles, and frameworks like Laravel or Symfony. Enhance security with OAuth or JWT authentication. Apply rigorous testing for reliability.
- Elevate project to modern standards.

INTERNSHALA ONLINE TRAINING (Jun 2021 – Aug 2020)

- We're creating a top-notch e-commerce platform, focusing on seamless transactions and user experience.
- Our project includes designing a dynamic web interface with cutting-edge features for optimal business operations.
- We're integrating secure payment gateways and inventory management systems for a robust backend, complemented by captivating frontend elements.
- With state-of-the-art tech and industry best practices, we aim to deliver an innovative digital storefront driving growth in the online marketplace.

INTERNSHALA ONLINE TRAINING (Aug 2021 – Nov 2021)

- Architect an advanced food ordering application with seamless user interfaces, robust database management, and scalable backend functionality.
- Utilize cutting-edge technologies for real-time order tracking, personalized recommendations, and secure payments.
- Embrace microservices architecture for modularity and continuous integration.
- Prioritize security with strong authentication, encryption, and access controls.
- Foster agile development for iterative improvements and quality assurance.

Projects

Face Recognition & Image Compression Project:

This project involves the development of a face recognition system using Eigenface and Fisher face methods. The system operates in two main stages: face detection and identification. Eigenface utilizes Principal Component Analysis (PCA) to reduce the dimensionality of facial features, forming a 'face space' for recognition. Additionally, the project incorporates image compression techniques, focusing on grayscale images using Discrete Cosine Transform (DCT) and Huffman encoding. These methods efficiently compress and decompress images while maintaining quality, measured via Peak Signal-to-Noise Ratio (PSNR).

Smart Traffic Management System Using AI:

Implement an AI-based system to manage and optimize traffic flow in real-time by analyzing traffic patterns and adjusting traffic signals accordingly..

Programming Language

HTML

CSS

JAVASCRIPT

Technical Skills

Node.js React(web)

Data Structure and Algorithm

MongoDB Firebase DynamoDB
Machine Learning

Soft Skills

Project Planning, Leadership

Communication Skill

Problem-Solving

Social Links

LinkedIn

GitHub

Online Profile

LANGUAGES

English,

Hindi,

Odia

Hobby

Martial Art,
Swimming

Volunteer and responsibility

Captain of College Wushu
Group

Student Coordinator at
Induction Program By AICTE