

BIJOY LAXMI BISWAS

Software Engineer
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PROFESSIONAL SUMMARY

Experienced IT professional with a Master's in Information Technology, skilled in Python development and cloud solutions. Proficient in designing scalable backend services and optimizing databases. Committed to driving efficiency and technological innovation.

EDUCATION

Tezpur University . M.TECH in IT	7.97/10
West Bengal University of Technology . B.TECH in IT	7.81/10

SKILLS

Programming Languages: Python, SQL
Web Frameworks: Django, Django REST Framework
Databases: MySQL, PostgreSQL, MongoDB, DynamoDB
Cloud Platforms: AWS (EC2, S3, Lambda, CloudWatch, API Gateway)
Version Control: Git
DevOps Tools: Docker, Jenkins, Ansible, Terraform
Web Technologies: RESTful APIs, HTML, CSS, JavaScript
Operating Systems: Linux (Proficient in administration and shell scripting)

WORK EXPERIENCE

Sakshath Technologies , Bengaluru, India (On-Site) July 2024-Present	Python Developer-Intern
<ul style="list-style-type: none">Developed and customized Django modules to meet specific business requirements.Designed and implemented REST APIs using Django REST Framework.Optimized database architecture for efficiency and performance in Django projects.Managed project timelines and resources using agile methodologies.Implemented solutions to improve system functionality and scalability.	
GoBudGo, Fremont , CA (Remote) Sept 2022- Aug2023	Test Engineer- Freelancer
<ul style="list-style-type: none">Developed and executed manual and automated test cases using Selenium and Pytest to verify software functionality, performance, and security.Conducted thorough testing and debugging of Django-based web applications to ensure seamless functionality across different platforms.Managed data handling operations in RDBMS environments, including MySQL, and performed data upload, modification, and extraction tasks.	

PROJECT EXPERIENCE

GadgetBox E-commerce Platform (Django and React)	
<ul style="list-style-type: none">Designed and implemented a full-stack e-commerce platform using Django for the backend and React for the frontend.Developed custom Django applications for managing product listings, user authentication, and order processing.Integrated third-party payment gateways and optimized the system for performance.	
Payment Gateway Integration Testing Suite	
<ul style="list-style-type: none">Designed and implemented automated test cases using Selenium and Pytest to cover various payment scenarios.Conducted end-to-end testing to validate the integration of the payment gateway with banking APIs and merchant services.	
Parking Inventory Management System with User-Friendly Interface	
<ul style="list-style-type: none">Collaborated on a team project to create a Parking Inventory Management System using HTML, CSS, SpringBoot, JDBC, and MySQL,emphasizing efficient facility management through an intuitive interfacefor both Admin and User.	

Spectrum Sensing in CRN using Deep Learning

- Implemented a sophisticated approach to Spectrum Sensing in Cognitive Radio Networks (CRN) using CNN and Python, enabling adaptation to new signals through deep learning techniques.

RESEARCH

Deep Learning for Spectrum Sensing in Cognitive Radio Networks

- Developed and implemented an innovative deep learning-based approach for spectrum sensing in cognitive radio networks, contributing to advanced signal detection methodologies.

Trust and Reputation in IoT Systems

- Investigated challenges and vulnerabilities associated with trust in IoT systems .

CERTIFICATIONS AND AWARDS

- **PG-DAC**- Successfully completed a training on Java fullstack from **CDAC** .
- **AWS Certified Cloud Practitioner**
- **Project Expo & Bug Hunt** - Won second prize in an inter-college Project Expo & Bug hunt competition 2022.