KIRAN KUMAR SWAIN

github.com/swainKiran | linkedin.com/in/kiran-kumar-swain934 |
swainkirankumar181@gmail.com | +91.9348724530

Summary

MCA graduate with expertise in Python Development, specializing in problem-solving and algorithm design. Proficient in database management and backend development. Eager to apply academic knowledge and contribute as a fast learner and collaborative team member in a dynamic environment.

Work Experience

Intern Aug 2023 - present

Jspider Training Solutions

- Assisted in the development and testing of Python-based applications.
- Collaborated with team members to troubleshoot and resolve software issues.

Skills

Programming Languages	Python, C, SQL, HTML, CSS, Django
DevOps Tools	Jenkins, Docker
Version Control Tools	Git, GitHub
Operating System	Basics of Linux
Design and Modeling Tools	Microsoft Office

Soft Skills :

Strong problem-solving, innovative, time management, analytical, successful teamwork, problem-solving ,interpersonal relationships, flexibility.

Education

2021 - 2023	MCA (computer application) at **BPUT university**	(GPA: 7.50/10.0)
2017 - 2020	BCA at **RCM,BBSR**	(GPA: 6.5/10.0)
2017	Class 12th CHSE Board	(58 percentage)
2015	Class 10th BSE Board	(62 percentage)

CERTIFICATIONS

Python Certification

Python Advance Assessment Test on **CutShort**
Python Basic Certificate from **HackerRank**

CODING ACTIVITY

Proficiency with Python (4-star rating) **HackerRank**
Proficiency with SQL (3-star rating) **HackerRank**
Completed 30-40 programming challenges, demonstrating strong problem-solving skills and continuous learning commitment **LeetCode**

Projects

Online EVM System

Description:
Developed a secure, web-based Electronic Voting Machine (EVM) system using Python. Implemented real-time result calculation and reporting, and ensured robust authentication for data integrity. Utilized Python frameworks for efficient backend and database management.

Key Responsibilities and Achievements:

Design and Development
- Led design and development of the Online EVM System. - Collaborated with a team to create a user-friendly and secure voting solution. - Ensured the system met user needs and regulatory standards.

Real-Time Result Calculation:
- Implemented real-time result calculation and reporting for instant voting tallies and analytics. - Developed algorithms for accurate, concurrent voting transactions.

Robust Authentication:
Implemented multi-factor authentication (MFA) and encryption to safeguard voter data. Utilized OAuth 2.0 for secure user authentication. Ensured compliance with data protection regulations like GDPR.

Technologies Used:
Languages/Frameworks: Python, Django
Database: SQL
Authentication: OAuth 2.0, MFA
Cloud Services: AWS (EC2, RDS)
Frontend: HTML, CSS, JavaScript
DevOps: Docker, Kubernetes, Jenkins

Outcome:
Revolutionized the electoral process by offering a convenient, secure, and transparent voting solution. Increased voter accessibility and participation while reducing logistical challenges and costs associated with traditional polling stations. Provided election officials with valuable insights and analytics to monitor voting trends and make informed decisions during the electoral process.