SAURABH MISHRA
SOFTWARE ENGINEER

mail.saurabhmishra.in@gmail.com
www.linkedin.com/in/saurabhmishralu
6393363690

TECHNICAL SKILLS

- Python
- NodeJS
- Flutter
- MySQL
- MongoDB
- OAuth
- Dart
- Flask
- Django
- ExpressJs
- Apache Kafka
- Redis
- Docker
- Event Driven Architecture
- Application Layer Security
- System Design
- Database Design
- Microservices
- HTML
- CSS
- Git
- OOPs
- WSO2
- Nginx
- REST
- GraphQL
- GCP
- CICD

WORK EXPERIENCE

Searce Cosourcing Services Pvt. Ltd.
Software Engineer   May 2022 - Present

Project Name : ONDC
Teck Stack : Python, Apache Kafaka, Beckn Protocol, PgSQL

- Implemented AES GCM cryptography using Python to ensure the security and non-repudiation of data, making it tamper-proof and verifying its origin.
- Utilised the Beckn Protocol for effective vendor orchestration, simplifying the management and communication with vendors.
- Created a user-friendly onboarding process for ONDC (Open Network for Digital Commerce) vendors using Python and PostgreSQL, making it simpler for vendors to join the network.
- Employed the G2P (Government-to-People) methodology for data transactions, optimizing the way data is exchanged between government entities and individuals.

Project Name : Indian Central Agristack
Teck Stack : NodeJS, Apache NiFi, GraphQL, PgSQL, WSO2 ESB, WSO2 APIM

- Developed GraphQL APIs using Node.js to retrieve Farmer's Registry Data 30% faster, making data access more efficient.
- Created REST APIs to share Central Registry data with enhanced security measures like Non-Repudiation, Data Confidentiality, and Data Privacy to ensure data integrity.
- Implemented API Orchestration using WSO2 EI and ESB to efficiently manage multiple State Government Owned Services, streamlining data flow.
- Introduced an Acknowledgment (Ack)/Not Acknowledgment (NAck) API style, separating data transactions among different parties, improving data handling.
- Set up Role-Based Access Control (RBAC) using WSO2 APIM, allowing more than 1000 administrators to control access based on specific roles.
- Established an Apache NiFi flow that processes and migrates a remarkable 80,000+ records daily into the Central Government Registry, achieving this task in just 8 minutes, ensuring data accuracy and timeliness.

Project Name : Happy Credit
Teck Stack : NodeJS, Google Cloud Storage, Google PubSub

- Successfully integrated Google OAuth 2.0 to establish a secure authentication mechanism, utilising Node.js as the backend technology. This implementation ensures that user identities are verified and access to the system is protected.
- Leveraged Google Cloud infrastructure to store email data, ensuring a robust and reliable data management solution. This approach enhances data availability and durability while maintaining high levels of security.
- Integrated Google Pub/Sub to enable real-time email processing and updates. This capability ensures that incoming emails are processed promptly and users receive timely notifications or responses.
- After processing emails, seamlessly stored the data into Google Data Store, optimising data organisation and accessibility. This approach simplifies data retrieval and analysis while benefiting from the scalability of Google's data storage services.

Project Name : Sifr Fintech
Teck Stack : Python, Flutter, MySQL

- Engineered a cross-platform app using Flutter/Dart, meeting and exceeding client requirements.
- Collaborated with Lead Developer for system design aligning with client's goals.
- Assisted developers in backend (Python) coding, fostering learning. Implemented OAuth for enhanced security.

Paralleldots Technology Pvt. Ltd.
Backend Developer   **Oct, 2021 - Mar, 2022**

- Crafted efficient algorithms for diverse SKU stacking styles, boosting storage efficiency.
- Created top-notch Python and Flask APIs for smooth software integration. Utilised Pandas to extract and analyse MySQL data, streamlining data processing and insights generation.

Riversand Technology Pvt. Ltd.
Data Science Intern   **Nov, 2020 - Jul, 2021**

- Applied partial data de-duplication, enhancing accuracy.
- Evaluated clustering models using metrics like V-measure and Rand Index, gauging algorithm performance.
- Quantified data noise with Levenshtein distance and Soundex, identifying inconsistencies.

ACHIEVEMENTS

- Secured victory in Software Engineering department's FullStack Hackathon, displaying exceptional collaboration, and expertise in both front-end and back-end development.
- Attained global rank 25,000 on HackerRank, reflecting strong problem-solving and diverse programming skills.
- Maintained 6-star rating on HackerRank, highlighting consistent high-level performance across programming challenges.
- Earned 5-star rating in MySQL on HackerRank, demonstrating advanced understanding of database concepts and query optimisation.

EDUCATION

University Of Lucknow   2017-2021
B.Tech. - Computer Science