SOURAV DAS

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PROFESSIONAL SUMMARY

Data-savvy Atlassian Agile PMP Certified professional with a strong foundation in computer science and extensive experience in business analytics, data-driven decision-making, and process optimization. Adept at translating complex data into actionable insights, improving operational efficiency, and driving business growth. Skilled in SQL, Python, Java, ETL pipelines, cloud technologies, BI tools (Power BI, QlikSense), data management, data modeling, large-scale data analysis, and implementing Agile methodologies. Seeking a Business Analyst or Project Management role to leverage analytical expertise and leadership in cross-functional collaboration. *Note*: I am a Legal Permanent Resident (Green Card holder); hence no sponsorship is needed.

WORK EXPERIENCE

Part-Time Research Scientist | Temple University, USA | 2023 – Present | Remote

- Leveraged data analytics to extract actionable insights from large datasets, using Python, SQL, and machine learning models followed by designing ETL pipelines.
- Conducted LLM fine-tuning to optimize model performance for domain-specific applications.

Project Engineer | Lusis Payments, UK | 2021 – 2022 | Onsite

- Spearheaded meetings as Scrum Master and gathered business requirements from the Product Owners while managing a small team of developers as part of the AGILE based Bank of America project.
- Developed and deployed AWS-based ETL pipelines for TANGO financial transactions, improving real-time payment processing efficiency by 15%, ensuring compliance with Visa and Mastercard standards.

System Engineer (Team Lead) | Tata Consultancy Services, India |2016 – 2021 | Onsite

- Spearheaded a data warehouse migration as a Product Owner from Oracle 10g to 12c for the British Telecom project, boosting database performance by 25% for a DSS project.
- Led the development of three Java-based web applications from scratch, continuously enhancing features and improving downstream data flow via REST APIs by 20%.

EDUCATION

PhD. (Part Time) | Computer and Information Sciences | Temple University | 2023 – Present

Received stipend for academic excellence and teaching assistantship. Worked part time on Intel and NSF granted projects.

MODULES: Operating Systems, Computer Architecture, KDD and Data Mining, Design and Analysis of Algorithms, Network Security, Programming Techniques, Distributed Systems, Energy Management in Computing

M. Sc. | Business Analytics and Big Data | University of Liverpool | 1st Class Distinction | 2020 – 2021

Recipient of the ULMS Scholarship that contributed a 50% waiver on the tuition fee in addition to Vice-Chancellor's International Attainment Award and Commonwealth Postgraduate Bursary.

MODULES: Data Mining & Machine Learning, Big Data Analytics, SAP, Digital Business Technology, Big Data Management, Digital Strategy, Operations Modelling & Simulation, Logistics & Physical Distribution.

B. Tech | Electronics and Communication Engineering | West Bengal University of Technology | 1st Class Distinction | 2011 – 2015

Attained a GPA of 8.4 out of a maximum 10 and distinction grades in all modules.

MODULES: Data Structure and C, Object Oriented Programming, Database Management System, VLSI Design, Digital Image Processing, Circuit Theory, Solid State Device, Integrated Circuits.

RESEARCH PUBLICATIONS

DIAGNOSIS OF MICROSERVICES BASED APPLICATIONS VIA PARTIAL DIGITAL TWIN
(Paper Accepted at IEEE NCA 2024: https://www.kkant.net/papers/Microservices_diagnosis.pdf)

NEST: A QOS DIFFERENTIATING END-TO-END NETWORKED STORAGE SIMULATOR
(Paper Accepted at Computer Network journal: https://doi.org/10.1016/j.comnet.2024.110833)

WEIGHTED SELF-ORGANIZING MAPS DELIVERY REGION PARTITIONING MODEL
(Paper Accepted at EJOR 2024)

SKILLS

Programming & Scripting:	Python (Pandas, PySpark, PyTest, NumPy, scikit-learn, matplotlib), Java (Spring MVC, REST APIs, JMeter), SQL, PL/SQL, Shell Scripting
Cloud & Big Data:	AWS (S3, Glue, Redshift, EMR, IAM, MSK), Apache Spark, Apache Kafka
ETL & Data Engineering:	ETL Pipeline Development, Data Warehousing (Redshift, Snowflake, Oracle), Cron, Apache Airflow
Databases & Storage:	RDBMS, Oracle, PostgreSQL, MySQL, NoSQL (MongoDB), Amazon S3
BI & Analytics:	Power BI, Tableau, QlikSense, Oracle BI, OLAP, Data Modeling
DevOps & CI/CD:	Docker, Kubernetes, Jira, Git
Agile Tools:	Jira, Confluence, Miro, MOSCOW for project tracking

CERTIFICATIONS

- Atlassian Agile PMP Certified.
- Microsoft Azure AI Essentials Professional.
- Oracle Certified Java Programmer.
- Qlik Sense Business Analyst Qualified.
- Docker Foundations Professional Certified.
- Machine Learning (Stanford University).
- MongoDB for SQL Pros Certified.