Akshay Kumar Mahto

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PROFILE

Data Engineer, Business Intelligence Engineer enthusiast with 3 years of experience as a Systems Engineer in Tata Consultancy Services Ltd. Learned in Extract, Transform, and Load (ETL) process (analyzing, organizing, and processing) on huge data sets and extracting information and presenting it in various visualization forms. Decent experience in Python, Java, Object Oriented Programming, SQL, and Machine Learning using R techniques. Passionate about deriving insights from large datasets and visualizing information, with a future goal to work as a Data Analyst, Data Engineer, or Business Intelligence Engineer."

EDUCATION

University of Illinois, Springfield, IL || Masters In Computer Science   Aug 2024-Aug 2026
Web design, Intro. To database and Management, Machine Learning with R   **GPA:- 3.8/4.0**

Kurukshetra University, Kurukshetra**,** India || Bachelor of Technology In CS   Aug 2021
Courses: Computer Network, Operating Systems, Data Structures, Compiler Design, Database Systems   **GPA:- 8.2/10**

SKILLS

Programming Languages: Java, Python (Pandas, NumPy, SciPy, scikit-learn, Tensorflow, Seaborn), R, JavaScript, C/C++
Web Technologies: React, HTML and CSS.
Frameworks: Learning (Hadoop, Micro-Services, Spark, Kafka, Map-Reduce, Druid, Airflow), Vscode, Anaconda.
Databases & Data Warehouses: RDBMS, SQL, MySQL, Oracle, Learning(Enterprise Data Warehouse (EDW), Parallel Data Warehouse (PDW)).
Version Control & Process Tools: Git, Putty.
Visualization Tools: PowerBI, Tableau, Superset, Python (Seaborn, Matplotlib).
Analytical Techniques/Tools: Regression (Linear, Logistic), Random Forest, Data-Preprocessing, Data Pipeline, Learning Informatica.
Statistical Skills: Exploratory Data Analysis, Neural Networks, Dimension Reduction, Hypothesis Testing.
AWS Technical Stack: Learning(AWS Lambda, AWS SQS, SNS, EC2, Redshift, Athena, S3, Glue, AWS Step Functions).

WORK EXPERIENCE

Systems Engineer   **Nov 2021-Aug 2024**
Tata Consultancy Services | Bengaluru, India
- Barclays Bank Plc, Bengaluru, Team Member April 2022-Present
- Experience in Production Applications Support along with UNIX knowledge.
- Required an understanding of Java for troubleshooting, and debugging and worked closely with
  On-shore management teams to ensure timelines were being met.
- Exposure to Splunk, Openshift Console, Elastic Search, and Jenkins(CI/CD) tools.
- Decent experience or knowledge in SQL/MYSQL. A person should be really willing to take up
  challenging tasks and interact with the customers.
- Our combined skills in Jenkins, SQL, Mysql, UNIX, Spring Boot, and MongoDB empowered us to
  meet project deadlines consistently and exceed performance expectations.
- Tech Stack: Openshift Web console, Splunk, Kibana, Java, Testing Frameworks, Oracle SQL
  Developer, Putty, UNIX, Git.

Android Developer Intern   **June 2019 - October 2019**
Solitaire Infosys Pvt Ltd.| Mohali, India
- As an Android developer trainee, I gained hands-on experience in building cutting-edge mobile applications for the Android platform.
- I was working closely with experienced developers and mentors to sharpen my skills in Java/kotlin, XML, and Android Studio.
- I contributed to real-world projects, allowing me to tackle challenges, troubleshoot issues, and collaborate with my team to create user-friendly and innovative Android apps.
- I was committed to following best practices in coding, testing, and debugging to ensure the quality and reliability of the

Android applications I developed.
- Tech Stack: Java/kotlin, XML, Android Studio.

PROJECTS

Diabetic Patients Readmission in Hospitals Prediction
Built Diabetic Patients Readmission in Hospitals prediction using machine learning algorithms to Predict whether a diabetic patient will be readmitted to the hospital within a specific time frame (e.g., within 30 days) after discharge.
Performed turnover analysis by using Python's Scikit-Learn library. Used Logistic Regression, Random Forest, and support using machine learning, the model will analyze patient data and hospital visit characteristics to identify those at higher risk of readmission, helping improve patient outcomes and hospital resource management

Library Management System(Web Development)
Web-based application designed to simplify and automate library operations. It allows libraries to efficiently manage book catalogs, track borrower records, and streamline administrative tasks. It has been built using Java and HTML, Springboot.

EXTRACURRICULARS AND AWARDS

- Winner of the TCs On the Spot Award in the Barclays Bank PLC Project year 2023, Tata Consultancy Services, 2022, and also winner of the TCS Xcelerate Warrior Award, Tata Consultancy Services, 2022.
- Winner of the TCS Xcelerate Wings program Gems Award, Tata Consultancy Services, 2022.
- Winner of College Chess Competition in the annual sports event, NNSS SGI College, 2018.

- Playing sports with underprivileged children in Bangalore on August 8 2022 in Koramangala and have also Distributed books to the rural children on October 3rd, 2023 in Whitefield Government School.

PUBLICATIONS

Akshay Kumar Mahto, "Artificial Intelligence for the Real World", International Research Journal of Modernization in Engineering Technology and Science, 06/June-2023.

CERTIFICATIONS/WORKSHOPS/ADDITIONAL COURSES

- Oracle Cloud Data Management 2023 Foundations Associate(1Z0-1105-23)
- Oracle Cloud Infrastructure 2023 Foundations Associate(1Z0-1185-23)
- Attended a cloud Computing Conference by Tata Consultancy Services during the launch of Google Bard in Bengaluru, June 2023.
- Attended a 4-day workshop on Network Implementation, used for Networking including Creating Networks and Configuring CISCO Routers, and have worked on software like packet Tracer and GNS, NNSS SGI College, 2019.
- Attended a 2-day workshop on Graphic Designer by Solitaire Infosys, NNSS SGI College, 2019.