AFREED HUSSAIN SHAIK

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SUMMARY

An aspiring master's student majoring in Computer Science from Illinois Institute of Technology at Chicago, with 2+ years of hands on experience in implementing efficient data integration solutions using Informatica PowerCenter. Adept at analyzing complex data requirements, building ETL processes, java full stack application development and Microservices architectures, optimizing data workflows to enhance business intelligence and decision-making. Versatile professional recognized by senior supervisors for effective analytical and problem-solving skills. Seeking for an opportunity to leverage technical expertise in dynamic team.

EDUCATION

Illinois Institute of Technology, Chicago, IL   December 2024
Master's in Computer Science

- Relevant Course work: Big Data Technologies, Data base Organization, Introduction to Artificial Intelligence, Advanced Data base Organization, Data Preparation and Analysis, Science of Programming, Machine Learning, Introduction to Information Security, Computer Networks, Deep Learning.
- GPA: 3.55/4.0.

K L University, Guntur, India   April 2021
Bachelor of Technology in Computer Science and Engineering

- Relevant Course work: Data Structures and Algorithms, Operating Systems, Software Engineering, Object Oriented Programming, Database Management Systems, Artificial Intelligence, Analysis Design and Algorithms, Enterprise Programming, Machine Learning, Automata and Compiler Design.
- CGPA: 7.82/10.0.

TECHNICAL SKILLS

- Programming Languages: C, C++, JAVA, SQL, Python, R, Unix Shell Scripting, Scala, Go.
- Software Knowledge: Informatica Power Center, IBM Data Studio DB2, IBM Maestro Workload Scheduler, Microsoft Business Intelligence, MySQL, SSIS, SSAS, SSRS HTML, Javascript, CSS, React js, Angular js, Node js, Spring boot, PostgreSQL, Visual Studio code, Tableau, PyTorch, Tensorflow, Kubernetes, docker, Alteryx, Google cloud console, Web Development, Git hub, Jira, AWS S3 bucket, Linux, Matlab, UDS metrics, Servicenow, API web service calls, RestFul API, Eclipse, Hadoop, Bit Bucket, CI/CD.

WORK EXPERIENCE

Software Developer Intern
Maxil Technology Solutions INC, Oakbrook, Illinois   February 2024 - May 2024

- Designed and developed applications using enterprise Java technology stack and object-oriented methodologies.
- Implemented 9 Microservices architectures to support smaller, independent, and loosely coupled module architectures.
- Computed on Continuous Integration and Continuous Delivery using modern DevOps tools and workflows such as Git, GitHub, Jenkins, Sourcetree.

Programmer Analyst
Cognizant Technology Solutions, Chennai, India   June 2021 - December 2022

- Outlined, developed, tested, deployed and supported with analysis for more than 37 change requests as per client requirements.
- Conducted knowledge transfer sessions by taking leadership and provided training to 2 coworkers joined the project later.

- Received 8 client appreciations/recognitions and yearly bonus rewards based on performance and ratings given by team lead and manager.

Student Intern

Cognizant Technology Solutions, Hyderabad, India   February 2021 - June 2021
- Got trained on Microsoft Business Intelligence and database warehouse concepts.
- Received training on MySQL, SQL server integration services, analytical services and reporting services.
- Managed in a capstone project reporting game scores using MSBI concepts and cleared the internship final assessment with 86 percent.

SKILLS AND CERTIFICATIONS
- Soft skills: Time management, Problem solving, Creative thinking, Adaptable team player.
- Certified System Administrator by ServiceNow.
- Wipro Talent Next Digital Skills Readiness Program and Certification.

RESEARCH/PUBLICATIONS

Crop-Yeild-Production-Using-Machine-Learning   October 2023 - December 2023
- Constructed an ensemble model combining Decision Tree and AdaBoost regressors, resulting in improved accuracy about 30% for crop yield prediction based on climatic factors.
- Analyzed a dataset of 28,242 instances, identifying key features temperature, rainfall, and yield type to enhance predictive capabilities.

Mutual Fund Prediction Using Neural Network Algorithms.   December 2020 - May 2021
- Proposed a mutual fund prediction model with 81 percent accuracy using neural network algorithms.
- Analyzed 2 innovative calculation strategies combined with neural network algorithms gave more accurate results and predictions in the project.
- Obtained better results with the proposed artificial neural network model as the feed-forward backpropagation neural network is leveraged, so the weights got updated automatically after every 10 epochs.
- Obtained 0.33 as root mean square error value for BPNN4 model.
- Published the study and available online at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3852712.

PRESENTATIONS
- Presented the research work conducted during final semester of under graduation in International Conference Smart Data Intelligence 2021 organized by Kongunadu College of Engineering and Technology at Trichy.