

SHAIK SADDAM HUSSAIN

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EDUCATION

PSCMR College of Engineering and Technology Bachelor of Technology - Computer Science and Engineering; CGPA: 6.5	A.P, India August 2020 - June 2023
Govt. Polytechnic College Diploma - Civil Engineering; Percentage: 72.25	A.P, India June 2017 - April 2020
Noori Model (E.M) High School SSC - 10th; GPA: 6.5	A.P, India April 2016 - March 2017

SKILLS SUMMARY

- **Languages:** JAVA (Core & Advanced), Python, SQL/PLSQL
- **Frameworks:** J2EE, Servlet/JSP, JPA, Hibernate, Spring Boot
- **Tools:** GIT, MySQL, SQLite, Postman (API), Apache Tomcat
- **Platforms:** Visual Studio Code, IntelliJ IDEA
- **Soft Skills:** Problem Solving, Strong Stakeholder management, Adaptability, Collaboration, Excellent communication

INTERNSHIPS

JAVA DEVELOPER TRAINEE NEXENTIAL TECHNOLOGY SOLUTIONS PVT LTD LINK	December 23 - June 24
◦ Developed Java applications using Spring Boot framework, implementing REST controllers and service layers. ◦ Built data persistence layers with Hibernate ORM and JPA, optimizing entity relationships and queries. ◦ Built dynamic web UIs with Servlets/JSP and optimized databases via PL/SQL procedures. ◦ Implemented JDBC for legacy system integrations and batch processing. ◦ Deployed applications on Apache Tomcat server with JBoss integration.	

PROJECTS

Liver Tumor Segmentation using Modified Fuzzy C-Means (MFCM)
◦ Developed an enhanced Fuzzy C-Means clustering algorithm for precise liver tumor segmentation in CT scans. ◦ Achieved 98% accuracy, outperforming traditional segmentation techniques like K-Means and standard FCM. ◦ Processed and analyzed medical imaging datasets to validate robustness in real-world scenarios. ◦ Demonstrated potential for early cancer detection, improving diagnostic efficiency in radiology.
Weather Forecasting System
◦ Developed a Python-based weather forecasting system using historical data for rainfall prediction. ◦ Implemented user input handling and automated data retrieval from weather APIs. ◦ Designed a simple frontend interface for displaying forecasts and user results. ◦ Utilized data analysis techniques to improve prediction accuracy based on past trends.

CERTIFICATES

Data Analytics with Python (NPTEL) CERTIFICATE	January - April 2022
◦ Completed professional training in Python-based data analytics, covering Pandas, NumPy, and data visualization ◦ Passed the final certification exam with 62% score, demonstrating foundational data analysis skills.	
Python for Beginners (Sololearn) CERTIFICATE	November 2022
◦ Completed online certification course covering Python fundamental. ◦ Learned basic programming concepts and syntax through interactive exercises.	
Problem Solving (Hackerrank) CERTIFICATE	April 2025
◦ Earned certification by demonstrating intermediate-level problem-solving skills through coding challenges. ◦ Successfully solved algorithmic problems and data structure challenges to achieve certification.	
Machine Learning Basics (Deep Learning) CERTIFICATE	November 2025
◦ Completed foundational course covering core ML concepts and algorithms. ◦ Gained hands-on experience with basic predictive modeling techniques.	