

DHEERAJ REDDY

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EXPERIENCE

FREELANCE

June-2023 - Present

Software Developer

- Designed and developed an e-commerce platform using ReactJS and NodeJS, resulting in a 50% increase in client sales.
- Developed a custom CRM solution using Python and Django, improving customer management and retention by 40%.
- Built a real-time chat application using WebSocket and JavaScript, enhancing communication efficiency and user satisfaction.
- Created data analysis tools using Python and Pandas, leading to a 30% improvement in business decision-making.
- Implemented AI integration for various software models, enhancing predictive analytics and automation processes by 25%.
- Developed machine learning models for customer segmentation and sales forecasting, improving marketing strategies and increasing sales by 20%.

RAKUTEN INDIA – Bengaluru, Karnataka

Dec 2021 – Jul 2022

Software Developer

- Developed and optimized front-end components using React and CSS, significantly improving the interactivity and responsiveness of the application.
- Engineered data pipelines using Python and JavaScript to extract, transform, and load (ETL) data, enhancing data flow and integration across the system.
- Designed and implemented data normalization and caching strategies using MongoDB, reducing data retrieval times by 30% and improving overall system performance.
- Collaborated closely with data scientists to deploy machine learning models into production, facilitating predictive analytics that enhanced decision-making processes.
- Implemented data security measures and user authentication protocols, significantly enhancing data integrity and user trust.
- Applied Agile methodologies to ensure efficient project management and timely delivery of enhancements.

NCR Corporation– Hyderabad, Telangana

Jan 2021 – Dec 2021

Software Developer

- Streamlined cross-platform device management software using Java/JavaFX, Python, and React for UI enhancing device firmware updates and configuration for over 1,000+ devices globally.
- Orchestrated release cycles with Jira and CI/CD, ensuring on-time, high-quality software releases. Integrated React components for creating user-friendly interfaces.
- Pioneered the implementation of Device Configuration and Log Collector tools, elevating device administration and troubleshooting capabilities, reducing resolution time by 40%.
- Conducted exhaustive testing and integrated continuous feedback, employing React for front-end enhancements, fostering ongoing product improvement.
- Enhanced user engagement by seamlessly integrating real-time notifications and messages via webhooks and web sockets, boosting user interaction.

PROJECTS

- Monstograin - Monitoring and storage of food grains:** IoT solution for monitoring food grain storage conditions using Machine Learning, Python, ReactJS, NodeJS. Reduced food waste by 25%. Patent application (No:202041049928 A)
- Online Bookstore:** Built a secure online bookstore backend using Spring Framework and Java, increasing transaction speed by 40% and reducing unauthorized access by 50%.
- Customer Churn Prediction:** Implemented a machine learning model using Python and scikit-learn to predict customer churn, achieving an accuracy of 85% and helping a client reduce churn by 20%.

EDUCATION

University Of Central Missouri – Warrensburg, MO

Dec 2023/ GPA:3.7

Master of Science in Computer Science

Relevant Coursework: Advanced Algorithms, Machine Learning, Neural Networking and Data Analysis, Adv Java, Cloud Computing, DBMS.

SKILLS:

Technical Skills: Proficient in SQL, C++, Python, JavaScript, HTML/CSS, Java, ReactJS, PostgreSQL, MongoDB, NodeJS.

Libraries/Frameworks: Git, Docker, TensorFlow, Flask, Django, Pandas, NumPy, Spring, Spring Boot, Spring MVC, React.

DevOps & CI/CD: Jenkins, GitHub Actions, AWS CI/CD tools, Docker containerization.

Analytics and Data Management: Machine learning, Predictive analytics, Data Transformation, Hadoop, snowflake.

AWS Skills: Skilled in using S3, EC2, RDS, DynamoDB, Lambda, EC2 Auto Scaling, SNS, IAM, VPC, SQS, CloudWatch.

Certifications & Training: PCAP - Programming Essentials in Python (Cisco), AWS Certified Cloud Practitioner, AWS Certified Developer – Associate, Elastic Google Cloud Infrastructure: Scaling and Automation, Reliable Google Cloud Infrastructure: Design and Process, GCP Core Services.