

DHEERAJ REDDY

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EDUCATION

University Of Central Missouri – Warrensburg, MO
Master of Science in Computer Science- **GPA: 3.7**

Dec 2023

EXPERIENCE

RAKUTEN INDIA – Bengaluru, Karnataka

Software Developer

Dec 2021 – Jul 2022

- Developed intuitive and responsive components using React and CSS for a ticketing system, enhancing user experiences.
- Collaborated with the backend team to optimize database operations, reducing website load times by 30% through efficient use of Python and SQLAlchemy.
- Implemented robust user authentication protocols, increasing website security and user data protection, resulting in a 25% increase in user trust and confidence.
- Engaged in Agile development methodologies, contributing to a 20% improvement in project delivery times through effective teamwork and steady project progress.
- Conducted comprehensive code reviews for 5+ team members weekly, providing constructive feedback and fostering a culture of continuous improvement and excellence.

TECHIGAI – Hyderabad, Telangana

Software Developer Intern

May 2021 – Dec 2021

- Streamlined a CRM web application using the WhatsApp Cloud API, allowing for more effective sales team-client interactions, and increasing sales engagement by 40 percent.
- Utilized front-end technologies and Bootstrap 5.0 to build a responsive design, improving user engagement by 35%.
- Demonstrated backend development expertise using Fast API (Python), ORM - SQL Alchemy (Python), and PostgreSQL, enhancing database management efficiency by 25%.
- Accomplished key features such as group categorization and event-triggered message scheduling, leading to a 50% increase in targeted deal broadcasts.
- Enhanced user engagement by integrating real-time notifications and messages via webhooks and web sockets, resulting in an increase in active user sessions.

PROJECTS

❖ **Monstograin - Monitoring and storage of food grains:**

- Spearheaded the development and implementation of Monstograin, an IoT solution for monitoring food grain storage conditions, including temperature, CO2, and humidity.
- Utilized machine learning algorithms for early spoilage detection and accurate spoilage predictions, resulting in a 25% reduction in food waste.
- Contributed to the filing of a patent application (No:202041049928 A) for this innovative technology.

❖ **E-commerce Development for Local Artisans:**

- Created and deployed an e-commerce platform for local artisans, enhancing market reach and sales through AWS cloud infrastructure.
- Optimized user experience with responsive design and intuitive navigation, incorporating real-time communication features like instant notifications and chat.
- Ensured platform scalability and reliability with AWS auto-scaling capabilities and prioritized data security with HTTPS encryption, AWS WAF, and IAM policies.

❖ **Online Bookstore Management System Development:**

- Designed and developed an online bookstore management system using the Spring Framework, streamlining book inventory management and online sales processes.
- Implemented secure user authentication, intuitive inventory management, and seamless order processing, providing a smooth experience for customers and administrators.

SKILLS:

Technical Skills: Proficient in SQL, Python, JavaScript, HTML/CSS, Java, React.js, PostgreSQL, MongoDB.

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

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