Rashmik Manchiraju

✉ rashmik.manchiraju7@gmail.com • 📞 +1 (913)-202-9980 • in rashmik007 • ⭘ roadrash99

EDUCATION

University of Central Missouri, Lees Summit, MO,USA   August 2023 - May 2025
Masters in Computer Science
- **Coursework**: Database Theory and Applications, Introduction to Cloud Computing, Advanced Operating Systems, Advanced Database Management Systems, Machine Learning, Artificial Intelligence,Compiler Design Construction,Adv Algorithms,Adv Web Applications and Services Development.

Birla Institute of Technology Mesra, Ranchi, India   July 2018 - May 2022
Bachelor of Technology in Electronics and Communication Engineering, GPA-7.5/10
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming,Database Management Systems, Distributed Systems, Software Engineering.

EXPERIENCE

Jio Platforms, Bangalore, Karnataka - SDE-I (FULL-TIME)   July 2022 - April 2023
HTML, Sass, Angular, TypeScript, GitLab, POSTMAN for API Testing.
- Resolved post-development bugs in the Jio Auto Bazaar feature, saving time and resources.
- Revamped the JioHumsafar feature, leading to an increase in user engagement. Led code review sessions, improving code quality .

Infineon Technologies, Bangalore, Karnataka - SDE (INTERN)   Jan 2022 - June 2022
Python, XML.
- Automated Errata data extraction using openpyxl module into an excel sheet using python for scripting.

PUBLICATIONS AND RESEARCH

- **A Machine Learning Approach to Diabetes Prediction with Feature Selection**
  - Utilized various machine learning classifiers on the PIMA Indian diabetes dataset and predicted evaluation parameters such as **Precision, Recall, F-Measure, and Accuracy** by varying the input parameters in the dataset.
  - Published in **International Journal of Engineering Research and Technology**, Volume 11, Issue 7, July-2022.
- **AI-Driven Football Match Analysis System**
  - Collaborating with Professor Gorkem Kar on developing an AI system for football match analysis.
  - Using **computer vision** and **machine learning** to track players, identify teams, and calculate metrics like ball possession and speed.
  - Addressing challenges in sports analytics, such as player occlusion, lighting variations, and camera angles.
  - Implementing solutions to improve the accuracy and reliability of AI-driven sports analytics.

PROJECTS

- **Full-Stack Food Ordering Application**
  - Designed and developed a responsive food ordering web application using **React.js** for the frontend.
  - Built the backend with **Node.js** and **Express**, leveraging **MongoDB** for database management.
  - Implemented secure user authentication and real-time shopping cart functionality.
  - Integrated **Stripe** for secure online payment processing.
  - Developed an admin dashboard for order tracking, status updates, and management.

SKILLS

- **Programming Languages**: Java, C/C++, Python, XML
- **Database Management**: MySQL, MongoDB,PostgreSQL
- **Tech Skills**: Data Structures, Algorithms, OOPS, Operating Systems
- **Version Control and CI/CD**: Git, GitHub, GitLab CI/CD
- **Web Technologies**: HTML,CSS,JavaScript,TypeScript,React,Angular, Node.js,Next.js,Express.js,REST API
- **DevOps and Cloud Computing**: Docker, Kubernetes, AWS EC2