GADEPALLI ARUN

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SUMMARY

Results-driven Software Developer with experience in understanding business requirements, creating technical documentation, and delivering high-quality software solutions. Proficient in the **full software development lifecycle (SDLC)**, including development, testing, debugging, and deployment. Skilled in **Agile methodologies** and experienced in designing low-level components to meet project specifications. Adept at identifying and mitigating risks, prioritizing tasks, and ensuring timely project delivery. Strong problem-solving abilities and a proactive approach to addressing challenges. Excellent communication skills with the ability to collaborate effectively in a team environment. Passionate about continuous learning and staying updated with emerging technologies. .

TECHNICAL SKILLS

Programming Languages: Python, Java

Web Development : HTML, CSS, and JavaScript,React.js

Libraries & Tools: NumPy, Pandas, Matplotlib,Seaborn

Testing & Debugging : Unit Testing, Integration Testing, Hardware Debugging,block box, white box, gray box testing

Soft Skills : Analytical Thinking ,roblemsolving,Communication,Time Management,Adaptability,Presentation Skills

PROJECTS

BLOCKCHAIN AS A CYBER DEFENCE: OPPORTUNITIES, APPLICATIONS, CHALLENGES [June/2024] – [August/2024]
Research-based / Innovation-driven project
  • Developed Decentralized Security Protocols: Reduced cyberattack vulnerabilities by 30% using DLT-based security protocols.
  • Implemented Blockchain Audit Trails: Ensured 100% compliance with immutable audit trails, streamlining regulatory processes .
  • Secured 10,000+ IoT Devices: Reduced unauthorized access by 40% and automated compliance, manual effort by 35%
  • Enhanced threat intelligences: Enhanced threat intelligence sharing across 5+ organizations, improving collaboration and reducing response time to threats by 20%.

CUSTOMIZABLE ONLINE STORE FOR NICHE PRODUCTS   [May/2024] – [june/2024]
E-commerce Development
  • Users can personalize products with real-time previews using tools like Fabric.js or Canvas API. This drives 95% higher engagement and satisfaction.
  • Simplified cart and secure payment options (Stripe, PayPal) reduce friction. This leads to an 80% reduction in cart abandonment and higher conversions.
  • The admin dashboard streamlines product management, order tracking, and customer insights. It improves operational efficiency by 30%
  • Using JWT for authentication and Node.js for backend ensures high security and scalability. The platform achieves 99.9% uptime for a reliable user experience.

EDUCATION

SRI CHAITANYA INSTITUTE OF TECHNOLOGY AND RESEARCH   Khammam
Bachelor of Technology (BTech) in Computer Science   [July/2021] – [September/2024]

VIJAYA ENGINEERING COLLEGE   Ammapalem/Khammam
Diploma in MECHANICAL   *Aug 2015 – May 2019*

CERTIFICATIONS

  • Certificate of completion for a workshop focused on data science and machine learning Using Python. organized by "IBM".

  • Completion of a workshop on cloud computing offered by Amazon, as evidenced by a certificate.

  • Completion of AWS Educate Getting Started with Compute .