

Abhishek Sagar Sanda

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Summary

Full Stack Developer skilled in .NET, JavaScript, React, databases, cloud, and AI/ML. Led projects optimizing performance, enhancing user engagement, and implementing robust security measures. Strong problem-solving, analytical, critical thinking, communication, leadership, and teamwork abilities.

Education

College of Engineering, Northeastern University, Boston, MA Expected: May 2025

Master of Science in Information Systems

Related courses: Applications Engineering & Development, Web Design and User Experience Engineering, Data Structures and Algorithms

Jawaharlal Nehru Technological University Hyderabad, India June 2022

Bachelor of Technology in Electronics and Communications

Technical Knowledge

Programming Languages: JavaScript, Java, C, C++, C#, Python

Frontend & Backend: MySQL, SQL, MongoDB, ReactJS, NodeJS, CSS, HTML, Data Structures & Algorithms, Bootstrap, jQuery

Web Technologies: MEAN stack, MERN stack, RESTful API, ASP.NET, MVC, Angular, IoT, OpenCV

Projects

Weapon Detection System | Python, OpenCV, Django, Heroku, YOLOv4 March 2024 – present

- Developed Python-based weapon detection system leveraging OpenCV, YOLOv4, and Django, enabling real-time identification of firearms with 92% accuracy, enhancing public safety measures.
- Integrated Amazon S3 and Heroku for seamless deployment, facilitating secure storage of 3000+ weapon images and enabling scalable hosting, ensuring system reliability and performance.
- Designed RESTful API using Django framework, enabling seamless integration with third-party systems, and facilitating real-time data exchange.

Eat-Wise Nutrition Tracker | Java, JavaFX, Data Structures & Algorithms March 2024 – April 2024

- Developing a comprehensive food logger application using Java and JavaFX, designed to enable users to track their daily nutrient intake, set dietary goals, and receive personalized recommendations, with the potential to drive increased user engagement and improved dietary compliance.
- Implementing advanced algorithms for nutrient calculation and analysis, accurately computing macro and micronutrient values based on user input, with an expected error rate of less than 2%, ensuring precise dietary monitoring and informed decision-making.
- Integrating techniques to analyze long-term dietary patterns and provide personalized recommendations for healthier food choices, designed to achieve high accuracy in identifying potential dietary deficiencies and suggesting appropriate adjustments.

Delivery Management Application | Java, JavaFX, Screen Builder, Eclipse March 2024 – April 2024

- Deployed efficient database indexing, reducing query response time by 50%, enhancing system performance for seamless user experience.
- Enhanced security protocols, lowering the risk of cyberattacks by 70% and maintaining a 95% uptime for the application, instilling trust in platform reliability and ensuring uninterrupted service for users.
- Optimized algorithms, decreasing server processing time by 60%, leading to a 40% increase in system throughput.

Cyber Cuisine Ordering Solution | REST API, Nodes, MongoDB, Next, React, HTML, CSS, SCS October 2023 – December 2023

- Developed a feature-rich digital dining platform using MERN stack, enabling seamless online food ordering with a user-friendly interface, resulting in a 35% increase in customer engagement and a 25% boost in revenue.
- Integrated secure payment gateway using Google Pay API, facilitating hassle-free transactions, and ensuring PCI-DSS compliance, leading to a 98% successful payment rate and a 20% reduction in cart abandonment.
- Implemented robust delivery system by integrating Google Maps API, Open Weather Map API, and Twilio API, enabling real-time tracking, optimized routing, and SMS notifications, designed to reduce average delivery times by 20% and enhance customer experience.

Work Experience

.NET Full Stack Developer, HCL Technologies Limited, Chennai, India August 2022 – August 2023

- Delivered .NET-based [HCL Engage](#) application with 95% on-time completion and 90% under-budget rate.
- Boosted user engagement by 30% and reduced support requests by 10% through Agile development and iterative testing.
- Fortified application security posture by addressing SAST/DAST issues, reducing vulnerabilities by 20%.

Product Intern, Blackbuck Engineers, Hyderabad, India August 2021 – October 2021

- Orchestrated 8 pioneering initiatives spanning AI/ML, IoT, and data analytics with a 24-member cross-functional team, garnering 4.8/5.0 evaluations through exemplary leadership and communication acumen.
- Spearheaded cutting-edge projects driving 25% productivity gains via innovative solutions and adept team leadership in emerging technologies.

Full Stack Developer Intern, Biztime IT Solutions Pvt. Ltd., Hyderabad, India April 2020 – October 2020

- Architected COVID-19 enterprise app on MEAN stack with Auth0, driving 30% user engagement surge through real-time insights.
- Delivered full-stack pandemic data tracking solution leveraging 8 technologies, enhancing organizational responsiveness to public health challenges.

Activities and Achievements

Won the Generative AI Hackathon by Roli – for presenting and demonstrating my Roli.AI CLI Dynamic Chatbot project.

Won Project Expo 2022 - for presenting and demonstrating my Autonomous Driving Car using Arduino and IoT project.

AIESEC In India - Drove revenue, performance, client management, event success, and participant satisfaction through strategic leadership.

Recognized in Bridge2Career (personal branding workshop) - for participating proactively and being top performer among the 80 delegates who participated.