

B N M R DORA PRASAD PALAKODETI

Software Engineer | Full Stack Developer

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Summary

An enthusiastic software engineer with a strong background in .NET development and a proven ability to enhance system performance and streamline CI/CD processes. Passionate about meeting stringent data integrity standards and committed to driving innovative solutions in high-performance application development. Eager to leverage skills in API integration and secure data management acquired through successful project delivery to contribute to advancing cutting-edge technology outcomes.

Experience

Mphasis	Bangalore
Software Engineer	06/2022 - 07/2024
A leading technology services company specializing in IT and business process outsourcing services	
<ul style="list-style-type: none">Proven ability to develop high-performance, scalable .NET applications while guaranteeing tight data security and seamless API integrationSkilled in code reviews, junior developer coaching, and automating CI/CD pipelines to enhance development efficiency and application stabilityConsistently achieved higher customer satisfaction and reduced operating costs through timely project delivery and improved system performanceHonored for notable performance improvements and creative problem-solving that have improved system dependability and application securityDemonstrated ability to meet and exceed data integrity standards while optimizing performance and contributing to overall project success	

Projects

Nest Navigate	11/2024 - Present
Developed a full-stack real estate platform providing seamless access to commercial and residential properties for rent and sale, including houses, shops, and warehouses. Built using ReactJS for a dynamic and user-friendly interface and Java for a secure and scalable backend. Integrated advanced search, filtering, and real-time property updates to enhance user experience and streamline property discovery. Focused on optimizing system efficiency, engagement, and data accuracy, ensuring a highly responsive and reliable platform for property buyers, sellers, and renters.	
<ul style="list-style-type: none">Full-Stack Development: Created and managed both front-end (ReactJS) and backend (Java) components.Real-Time Property Listings: Implemented live updates for property availability, ensuring accurate and up-to-date information.Advanced Search & Filters: Developed intelligent filtering options for precise property searches based on location, price, and property type.Secure & Scalable Architecture: Engineered a robust backend to handle high traffic, transactions, and data security.Enhanced User Experience: Planned an intuitive UI/UX for seamless navigation and improved user engagement.Performance & Accuracy Optimization: Increased system efficiency by reducing query response time and improving listing accuracy.	
Clinical Automation System	06/2022 - 07/2024
Developed a dynamic online application with dedicated login screens for patients, doctors, administrators, and front-end users, ensuring secure, role-based access. Executed real-time messaging for seamless and secure doctor-patient communication. Leveraged .NET for a robust backend with reliable Web API connectivity, ensuring secure data management. Established a dynamic interface to enhance user experience, streamline operations, and improve overall communication efficiency.	
<ul style="list-style-type: none">Enhanced a dynamic web application with separate login interfaces for Front Users, Admins, Doctors, and Patients, ensuring secure, role-based accessEnforced real-time messaging for confidential doctor-patient communicationEnhanced user experience with a responsive frontend and secure data managementEnsured seamless integration between the frontend and backend using .NETImproved tools to help physicians manage medical data, talk with patients, and access patient records.Planned features that allow patients to contact with doctors, examine medical history, and make appointments.For safe, private communication between physicians and patients, a real-time texting tool was initiated.	

Projects

Vehicle Number Plate Detection

06/2021 - 03/2022

Designed and implemented a cutting-edge, AI-powered number plate recognition system using YOLO for real-time, high-accuracy detection and verification. Curated and pre-processed diverse training datasets from Google and Kaggle to optimize deep learning model performance. Engineered an intelligent verification mechanism, leveraging advanced computer vision and machine learning techniques to enhance precision. Conducted extensive testing to ensure scalability, reliability, and seamless integration with multiple data sources. Optimized system efficiency by incorporating predictive analytics, automation, and AI-driven image processing, delivering a fast, secure, and intelligent vehicle identification solution.

- Utilized YOLO for real-time object detection and number plate recognition
- Acquired and curated a diverse dataset for effective training of the YOLO model
- Developed a system for cross-checking and verifying car data by reading number plates
- Achieved high accuracy through rigorous testing and validation
- Ensured high accuracy and reliability of the number plate recognition through rigorous testing and validation.
- Enhanced the accuracy of car data verification by leveraging a comprehensive and varied dataset.
- Demonstrated proficiency in integrating and utilizing various data sources for training and validating machine learning models.
- Successfully built a robust number

Internship

Completed an internship at BAROLA TECHNOLOGIES, gaining hands-on experience in machine learning development. Worked with fundamental conditional units to build and optimize predictive models. Applied data preprocessing techniques and algorithm tuning to enhance model accuracy. Collaborated with a team to explore AI-driven solutions, improving problem-solving skills in real-world applications. Strengthened expertise in machine learning frameworks, data analysis, and automation, contributing to innovative technology development.

Skills

Frontend: HTML · CSS · JavaScript · Angular · React.js

Backend :: C# · .NET · Python

Database:: SQL · RDBMS · MongoDB

Testing: JUNIT · NUNIT





DevOps: CI/CD Pipelines · Jenkins · GitHub · Docker

Others: AZURE · Agile · JIRA

Education

Sasi Institute of Technology and Engineering	Tadepalliguem, A.P
B. Tech in Computer Science and Engineering GPA: 8.05 / 10	08/2018 - 06/2022
Sasi Junior College	Tadepalliguem, A.P
Intermediate in M.P.C Percentage: 90 / 100	06/2016 - 05/2018
Bhartiya Vidya Bhavan's Residential Public School	Tadepalliguem, A.P
Secondary School Certificate GPA: 9.8 / 4.0	06/2015 - 05/2016

Key Achievements


 Enhanced System Performance Developed .NET applications increasing system performance by 30% over 2 years.	 Optimized CI/CD Pipelines Reduced deployment times by 40% through CI/CD automation.	 Mentored Junior Developers Mentored 5 junior developers leading to a 20% improvement in coding standards.
 Cost-efficient Project Delivery Achieved 25% cost reduction in project delivery with optimized software solutions.		


Certification



Certified in Microservices using .NET on Udemy


— Completed a comprehensive course on microservices architecture with .NET, gaining expertise in designing, developing, and deploying scalable microservices applications



Strengths

-  Problem-Solving Ability

 Adaptability

 Communication Skills
-  Attention to Detail

 Continuous Learning

 Resilience and Persistence
-  Analytical Thinking