Lakshmi Pravallika Regalla

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PROFESSIONAL SUMMARY:

- Over 2 years of experience in Angular, developing robust and scalable single-page applications with proficiency in JavaScript, TypeScript, Java, Python, C++, C, and React for versatile problem-solving.
- Skilled UI Developer utilizing HTML5, CSS3, JavaScript, and Angular to create dynamic, visually engaging, and interactive web applications.

EDUCATION:

Master's in computer science – Sacred Heart University | GPA: 3.8/4   December 2024
Bachelor's in computer science - Rajiv Gandhi University of Knowledge Technologies | CGPA: 8.2/10   2017 – 2021

TECHNICAL SKILLS:

Programming languages	C, Java, JavaScript, TypeScript, Python, SQL
Web Development	HTML5, CSS3, React, Angular, Angular js, Vue. js, Web services, MVC
Database Management	MS SQL Server
Front-end Development	HTML5, CSS, SASS/SCSS, Bootstrap, JavaScript, TypeScript, React, Node, Angular, React, Model-view-controller
Other Tools/IDE and Technologies	Visual Studio, Git, GitHub AWS S3, Azure Service Bus, Dependency Injection Pattern, Unit testing, Jasmine, karma, OOPs, data science, Jira, Debugging
Testing	Manual
Course Work	Algorithms, Data structures, Networking, Database management systems, Object-oriented programming, Operating systems, Computer architecture, Java, Machine learning, Artificial intelligence, Cloud computing, Web development

SOFT SKILLS:

Soft skills	Teamwork, Strong communication skills, flexibility to learn new technologies, Analytical thinking, and Adaptability.

PROFESSIONAL EXPERIENCE:

Company: Sails Software Solutions   May 2021 – August 2023
Client: Micro Merchant Systems
Role: UI Developer/ Angular Developer
Project Description: ePrimeRx™ is a comprehensive pharmacy dispensing software that enhances productivity by streamlining patient intake, claims processing, labeling, inventory, insurance filing, prescription generation, drug management, and reporting with real-time data provision.

Responsibilities:

- Developed user interfaces using Angular, specializing in reactive forms, components, services, and directives, and handled data fetching from APIs.
- Designed the Delivery Management module in ePrimeRx, including shipping information collection, order segmentation, driver assignment, tracking, and communication.
- Collaborated in an Agile environment with Product Owners, Analysts, Designers, Back-end developers, and QA to ensure quality, security, and compliance.
- Actively participated in daily code reviews, weekly refactoring, and bi-weekly client demonstrations.
- Involved in all stages of feature development, conducted various testing, and bug fixing, provided production support, and documented user interfaces.

PROJECTS:

Voice-Based Email System - Machine Learning
I Led a team in developing a voice-based email system that communicates between the user and the system using voice commands. We have implemented this system by using Python and different packages like pyaudio and beautifulsoup. With this system, users can send emails through voice commands only. Also, this system can perform various operations like Clearing emails, removing recent emails, deleting specific emails, searching for emails, composing emails and checking emails.

Face Mask Detection - Machine Learning
I Led a project that involved detecting human faces automatically wearing masks in real time. We used a customized CNN model using Google Colab and implemented the solution using OpenCv. We can install this system in public places such as airports, railway stations, offices and schools to ensure public safety.

Drowsiness Detection - Machine Learning
I Led the development of a real-time drowsiness detection system implemented using Raspberry Pi and OpenCV. The system aimed to prevent accidents caused by driver drowsiness during long-distance travel. The device automatically detected signs of drowsiness and raised an alarm to alert the driver in
Advance.