Prudhvi Nelavelli

240-459-9277 | prudhvinelavelli9@gmail.com | linkedin.com/prudhvi | github.com/prudhvi

EDUCATION

Southeast Missouri State University   Cape Girardeau, MO
Master of science in Applied Computer Science   *Aug. 2023 – May 2025*

Lovely Professional University   Phagwara, Punjab
Bachelor in computer science   *Aug. 2017 – May 2021*

EXPERIENCE

Freelance/Independent Developer   May 2025 – Present
Freelance   *Cape Girardeau, MO*

- Built mini-projects and internal tools using .NET, Angular, and SQL Server, emphasizing clean architecture, component reusability, and backend efficiency.
- Built reusable UI components including custom dropdowns, editable grids, and form modules to accelerate frontend development.
- Implemented backend services with Entity Framework, leveraging SQL Server and LINQ for efficient data access and manipulation.

Graduate Assistant   Aug 2024 – May 2025
Southeast Missouri State University   *Cape Girardeau, MO*

- Assisted in teaching Python programming and database concepts to undergraduate students
- Provided one-on-one support to students for their final projects, offering guidance on Python development, database design, and troubleshooting
- Evaluated student progress and assisted with grading assignments, quizzes, and projects
- Maintained and updated content on the SEMO website, ensuring accurate and up-to-date academic and course-related information

Associate Software Engineer Intern   June 2024 – Aug 2024
ComplexCare Solutions   *Bowie, MD*

- Worked on the Data Injection System, developed shared components for tables (nested and normal) with sorting and filtering functionalities, as well as reusable dropdowns and textboxes, reduced almost 1k lines of code duplication and development time across multiple web pages
- Built APIs in .NET for efficient data transfer between the backend and frontend
- Developed frontend web pages using Angular, integrating with the backend APIs for seamless functionality

Software Developer   Mar 2022 – June 2024
GRT Global Logistics PVT Limited   *Mumbai, MH*

- Developed both frontend and backend functionalities using Angular and Spring Boot for key application modules, including container booking and pre-stuffing pages in the GRT Logistic Client and Admin application
- Implemented Redis cache for Master Data Management (MDM) APIs, resulting in an 85 percentage improvement in API performance across the application
- Deployed microservices-based applications using AWS services such as EC2, S3, and CloudWatch, enhancing scalability and monitoring
- Participated in requirement gathering meetings and contributed to the design of the GRT's Logistic Client application, ensuring alignment with client needs and project goals
- Conducted code reviews to maintain code quality and adherence to best practices, incorporating feedback from peers

Graduate Engineer Trainee / Software Intern   Jan 2021 – Mar 2022
Vinculum Solutions PVT Limited   *Noida, UP*

- Added translation features to the Vinloyalty project enabling seamless language switching between English and Chinese, improving accessibility for a wider user base
- Created and implemented APIs for the Vinloyalty project, ensuring efficient communication between different application components

Projects

QA Chatbot using End-To-End Memory Networks | *Python, Keras, Numpy, Pandas*   Jan 2025 – Feb 2025
- Implemented a question-answering chatbot leveraging the Facebook bAbI dataset. This project follows the architecture from the "End-To-End Memory Networks" paper by Facebook AI Research. The chatbot is capable of understanding and reasoning over simple story-based inputs to answer questions. The system is built using a memory network architecture to model relationships and reasoning paths between different parts of the input data.

E-commerce Application Clone | *Spring Boot, Angular, MySQL, JWT Authentication*   June 2020 – Aug 2020
- Developed a full-stack e-commerce clone with Spring Boot backend and Angular frontend, implementing key features like user authentication, product management, and shopping cart functionality
- Integrated RESTful APIs for smooth interaction between frontend and backend, and implemented MySQL for database management
- Implemented role-based access control with JWT for secure user authentication and authorization

E-commerce Mobile App | *Android Studio, SQLite*   May 2019 – Aug 2020
- Developed a mobile e-commerce application using Android Studio, implementing key features such as user login, product browsing, and cart management
- Implemented a user-friendly UI with responsive design, providing a seamless shopping experience

Technical Skills

Languages: Java (8 or 11),Python, C, C++, C#, Typescript, JavaScript, SQL, HTML5, CSS3
FrontEnd Frameworks: Angular,React
Backend Frameworks and Technologies: Spring Boot, Spring Security, Spring AOP, .NET, JPA , Hibernate, Mybatis, MapStruct, REST, Apache Kafka, XML, JSON
Architecture:: RESTful APIs, Microservices
Tools:: GitHub, JIRA, POSTMAN, confluence
Cloud & Deployment:: AWS (EC2, S3, CloudWatch), Microservices Deployment, CI/CD
Database Management: MySQL, Oracle, Sql
SDLC Methodologies: Agile, Waterfall
Build/Dependency Management Tools: Maven