

ANKUSH MANI TIWARI

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PROFESSIONAL SUMMARY

experienced Software Engineer with expertise in full-stack web development, specializing in C#, .NET Core, Python, and Django. Skilled in building scalable web applications, RESTful APIs, and database management using SQL Server and MySQL. Proficient in front-end technologies like JavaScript, Bootstrap, and Blazor, ensuring intuitive UI/UX. Hands-on experience in cloud deployment (AWS, Azure), IIS hosting, microservices architecture, authentication & authorization, and real-time data synchronization. Adept at problem-solving, debugging, and performance optimization to deliver efficient solutions. Experienced in Agile development methodologies, collaborating with cross-functional teams to drive product success. Strong background in Supplier Management Systems, Blood Donation Platforms, and enterprise-grade applications, optimizing workflows, reducing manual effort, and enhancing system reliability.

EDUCATION

B.Tech in Computer Science and Engineering Gandhi Engineering College CGPA 8.5	2020- 2024
12th Class CBSE K.G.High School Sitamarhi 68%	17 – 19
10th Class CBSE D.C High School Done 73%	14 - 16

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C#, JavaScript, HTML, CSS
Frameworks & Libraries: Django, Node.js, React.js, .NET Core, Blazor, Bootstrap
Databases: MySQL, SQL Server, MongoDB, Entity Framework (EF Core), LINQ
Version Control & Development Tools: Git, GitHub, Visual Studio, VS Code, IntelliJ IDEA
Web Development: RESTful APIs, Microservices, Responsive Design, Cross-Browser Compatibility
Cloud & Deployment: AWS (EC2, S3, RDS), Microsoft Azure, IIS Hosting
Software Development Methodologies: Agile (Scrum, Kanban), Sprint Planning, CI/CD

SOFT SKILLS

Leadership: Ability to guide teams, take initiative, and drive projects to successful completion.
Collaboration: Strong teamwork skills, working effectively with cross-functional teams to achieve common goals.
Critical Thinking: Analytical problem-solving approach to optimize processes and improve system performance.
Effective Communication: Clear and concise communication with stakeholders, ensuring smooth project execution.

EXPERIENCE SUMMARY

Software Development

TRS India | Jan 2025 – Present

- Developed and maintained a Supplier Management Web Application using C#, .NET Core, and MVC, improving system efficiency and supplier interactions.
- Designed and implemented RESTful APIs and Microservices architecture, ensuring modularity and scalability.
- Integrated SQL Server with Entity Framework (EF Core) and LINQ, optimizing data retrieval and performance.
- Developed dynamic and interactive UI components using Blazor and Razor Pages, enhancing user experience.
- Implemented role-based authentication and authorization for secure access control.
- Deployed and managed the application on IIS, AWS, and Azure, ensuring high availability and scalability.
- Performed unit testing using xUnit/NUnit and integrated logging mechanisms with Serilog for better debugging and monitoring.
- Integrated third-party services and APIs to enhance application functionality.
- Followed Agile development methodologies, actively participating in sprint planning, daily stand-ups, and retrospectives.

Software Development

Chetu Inc. | Jan 2024 – Jan 2025

- Developed and maintained a web-based application using C# and .NET, improving system efficiency and user experience.
- Designed and implemented RESTful APIs for seamless communication between front-end and back-end services.
- Integrated SQL Server and optimized database queries using Entity Framework (EF Core) and LINQ, improving data retrieval performance.
- Deployed and managed the application on IIS and AWS, ensuring high availability and scalability.
- Developed interactive UI components using Blazor for a dynamic and responsive user experience.
- Followed Agile methodologies, participating in daily stand-ups, sprint planning, and retrospectives.

PROJECTS

1 Life Line Savior

A web-based platform designed to bridge the gap between blood banks and donors, ensuring efficient blood donation management.

Key Features & Contributions:

- Developed a real-time blood donation management system, enabling seamless communication between donors and blood banks.
- Implemented an automated notification system for real-time alerts on blood availability and donor requests.
- Designed a user-friendly interface with HTML, CSS, and JavaScript, ensuring an intuitive user experience.
- Built a secure and scalable backend using Django, handling donor registration, requests, and blood bank inventory management.
- Integrated MySQL database for efficient storage and retrieval of donor and blood bank data.
- Ensured data security and authentication to protect user information and prevent unauthorized access.

Technologies Used:

Backend: Django (Python)

Frontend: HTML, CSS, JavaScript

Database: MySQL

Impact:

- Reduced donor response time, ensuring faster blood availability for critical patients.
- Enhanced coordination between blood banks and donors, leading to improved inventory management.
- Increased donor participation through an intuitive platform and automated notifications.
- Minimized manual effort by automating blood request handling and data synchronization.

2 Supplier Management Web Application

A comprehensive web-based Supplier Management System designed to streamline supplier onboarding, purchase orders, and communication, enhancing efficiency and automation.

Key Features & Contributions:

- Developed a supplier registration, product management, and purchase order module to simplify supplier operations.
- Enhanced UI/UX by implementing form validations, timezone adjustments (IST), and structured supplier data alignment across all sections.
- Integrated real-time data synchronization, ensuring up-to-date supplier records and reducing discrepancies.
- Improved database performance using Entity Framework (EF Core) and LINQ for optimized queries.
- Designed and deployed the application on AWS with IIS hosting, ensuring high availability and performance.
- Implemented role-based authentication and authorization for secure access management.

Technologies Used:

Backend: C#, .NET Core

Frontend: JavaScript, Bootstrap

Database: SQL Server (EF Core, LINQ)

Hosting & Deployment: AWS (IIS)

Impact:

- Optimized supplier tracking, reducing manual work and human errors.
- Improved data accuracy and streamlined communication between suppliers and businesses.
- Increased efficiency, leading to faster processing of purchase orders and supplier approvals.

ORGANIZATION & CLUBS

- **Founder – NISWARTH CARE CLUB AND TRUST (Regd. No. 1510/22)**
- Established a **non-profit organization** dedicated to social welfare and humanitarian aid.
- Successfully collaborated with **10,000+ people** across India to support underprivileged communities.
- Spearheaded initiatives to **distribute food and facilitation kits**, ensuring widespread impact.
- Actively managing **outreach programs, fundraising, and volunteer coordination** to expand the organization's reach.

AWARDS & RECOGNITIONS

Recognized for Social Impact – Acknowledged for significant contributions to community welfare and humanitarian efforts.

Leadership & Volunteer Excellence Award – Honored for mobilizing volunteers and leading large-scale charitable initiatives.

Community Service Recognition – Appreciated for efforts in distributing food and facilitation kits across India.