

NITEESH KUMAR

Software Engineer

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SUMMARY

Dedicated and results-oriented Software Engineer with over [1+ Year(s)] of hands-on experience in designing, developing, and maintaining software solutions. Adept at collaborating with cross-functional teams to deliver high-quality, efficient, and scalable applications. Possesses strong analytical and problem-solving skills, with a commitment to continuous learning and improvement.

EXPERIENCE

Trainee Software Engineer 08/2023 - 01/2024
Opkey Noida

Software Development Company focused on delivering automation solutions.

- Collaborated with a team of software engineers to design and implement new features for the company's flagship product.
- Actively engaged in knowledge-sharing sessions to enhance team skills and stay updated on industry best practices.
- Participated in daily stand-up meetings to discuss project progress and address any challenges.
- Developed and maintained database schemas, improving query performance and reducing response times by 20%.
- Worked closely with the frontend team to integrate backend functionalities.
- Utilized ASP.NET, VB, and .NET Core frameworks for backend development, delivering robust and scalable solutions.
- Identified and resolved bugs in existing APIs, ensuring optimal performance and minimizing downtime.
- Implemented comprehensive testing strategies to detect and fix bugs during the development phase, reducing post-release issues.

Net Developer 01/2024 - Present
Add Innovations Pvt Ltd Greater Noida

Specializes in AI vision systems, offering Machine Vision and Camera Inspection solutions for enhanced automation.

- Developed and maintained web applications using ASP.NET Core and ASP.NET MVC, ensuring high performance and scalability.
- Collaborated with cross-functional teams to design, implement, and test new features using C# and Entity Framework Core.
- Integrated front-end functionality using HTML, CSS, JavaScript, jQuery, and Bootstrap to deliver responsive and user-friendly interfaces.
- Built and optimized database queries for PostgreSQL, ensuring efficient data management and retrieval.
- Worked on several key projects, including:
 - Warehouse Management System (WMS): Developed a WMS with inventory tracking, user authentication, and data visualization.
 - Model Training Application: Created a web-based platform for training custom machine learning models with YOLO integration.
 - Annotation Tool: Developed a tool for image labeling and dataset preparation for machine learning projects.
 - Hikrobot Camera Web Application: Built a real-time camera integration platform for live monitoring and camera control.
- Contributed to the development of AI-based vision systems, focusing on Machine Vision Inspection and Camera-Based Inspection solutions.

EDUCATION

Bachelor of Computer Applications 2018 - 2021
Maulana Mazharul Haque Arabic and Persian University Patna, India

SKILLS

- ASP .Net Core
- C#
- Object Oriented Programming
- MVC
- Postgres SQL
- MySQL
- Microsoft SQL Server
- Entity Framework Core
- Razor Pages
- HTML5
- CSS
- JavaScript
- JQuery
- Bootstrap
- AJAX
- Unit Testing
- Git
- Git Hub
- Visual Studio 2022

SOFT SKILLS

- Problem Solving
- Critical Thinking
- Observation
- Collaboration

LANGUAGES

- English
- Hindi

HOBBIES

- Listening to Music
- Playing Chess
- Surfing Internet

CERTIFICATION

Software Development Course

Jspiders Noida | Aug 2023

PROJECTS

Warehouse Management System (WMS) Web Application

Technologies: C#, PostgreSQL, HTML, CSS, JavaScript, jQuery, Bootstrap, Ajax, MVC, Entity Framework

- Created a WMS application to optimize inventory tracking and warehouse operations.
- Developed backend services with ASP.NET Core 6 and C#, integrating PostgreSQL for reliable database management.
- Used Entity Framework for database interaction and optimized query execution.
- Designed a responsive UI with HTML, CSS, and Bootstrap, and implemented real-time updates using Ajax.

Model Training Web Application

Technologies Used: C#, ASP.NET Core 6, HTML, CSS, Bootstrap, JavaScript, jQuery, AJAX, YOLO Models.

- Developed a model training web application for image classification, object detection, and segmentation, supporting multiple YOLO model versions (YOLOv3, YOLOv5, YOLOv7, and YOLOv8).
- Built the backend using C# and, enabling efficient management of model configurations and training workflows.
- Designed an intuitive and responsive frontend using HTML, CSS, Bootstrap, JavaScript, and jQuery, allowing users to upload datasets, configure models, and visualize training results.
- Integrated YOLO models for seamless execution of object detection and segmentation tasks, including training, evaluation, and inference.
- Leveraged AJAX for asynchronous updates, providing real-time feedback and enhancing user experience without requiring page reloads.

Annotation Tool Web Application

Technologies: ASP.NET Core 6, C#, HTML, CSS, JavaScript, jQuery, Bootstrap, Konva.js

- Built a web-based tool for efficient data annotation with interactive graphics using Konva.js.
- Implemented backend functionality using ASP.NET Core 6 and C#.
- Designed a user-friendly, responsive interface for improved workflow and productivity.

Hikrobot Camera Web Application

Technologies: ASP.NET Core 6, C#, SignalR, HTML, CSS, JavaScript, jQuery, AJAX, Bootstrap.

- Developed a real-time web application for Hikrobot camera control, live monitoring, and management.
- Implemented robust backend services using ASP.NET Core 6 and C#, with SignalR for real-time communication.
- Designed an interactive and responsive UI using HTML, CSS, JavaScript, and jQuery.

PERSONAL INFORMATION

- **Father's Name: Santosh Kumar Verma**
- **Mother's Name: Mala Devi**
- **D.O.B : 17 – Sep – 1999**
- **Native Place : Siwan (Bihar)**
- **Pin Code : 841434**
- **Nationality : Indian**
- **LinkedIn :**
[linkedin.com/in/niteesh-kumar-8975b6239](https://www.linkedin.com/in/niteesh-kumar-8975b6239)
- **GitHub :**
<https://github.com/niteesh017>