

HIMANSHU DEV PANDEY

Software Engineer

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[GitHub](#) | [Linkedin](#)

EDUCATION

Kashin Institute of Technology

Computer Science Engineering BTech

CGPA: 7.0

Varanasi

July 2019 - July 2023

Sant Bhgwananand Public School

Science Intermediate

Robertsganj Sonbhadra

April 2017 - June 2019

PT DD Ram Chobyas R Gans School

Science High School

Robertsganj Sonebhdra

July 20215 - July 2019

EXPERIENCE

Pioneer Machine & Automation (P) Ltd | Software Engineer

Ghaziabad Delhi NCR | August 2023 - Present

Developed scalable industrial applications using ASP.NET MVC, Web API, C#, SQL Server with real-time REST communication for production environments.

Built OEE Dashboards displaying live machine performance, downtime, shift metrics, and Six Big Losses with responsive UI using Bootstrap, jQuery, and AJAX.

Integrated Mitsubishi PLCs through MC Protocol/Modbus/OPC and developed Windows Services for continuous machine data acquisition and cloud synchronization.

Implemented ZPL-based QR code printing, torque validation, barcode verification, and automated tracking across multi-station conveyor systems.

Designed complete manufacturing workflows with historical logging, Excel import/export, email notifications, and secure role-based user access.

SKILLS

Programming Languages: C#, JAVASCRIPT, SQL, HTML5 & CSS

Libraries/Frameworks: REACT, JQUERY, ASP.NET, MVC, SWAGGER, BOOTSTRAP, API

Tools / Platforms: GIT, GITHUB, VS CODE, VISUAL STUDIO 2022, POSTMAN,

PLC(Mitsubishi), HMI(GT DESINER3)

Databases: MS SQL, MONGODB, MY SQL

PROJECTS / OPEN-SOURCE

INDUSTRIAL OEE DASHBOARD | [Link](#)

ASP.NET ,C# , JUERY ,AJAX, BOOTSTRAP

Built a real-time Industrial OEE Dashboard using ASP.NET MVC, REST APIs, jQuery, and AJAX.

Created a Windows Service using MC Protocol to collect machine data from Mitsubishi PLCs.

Sent PLC runtime, part count, and alarm data to the server for automated OEE calculations.

Implemented downtime tracking, alarm monitoring, and shift-wise analytics with SQL Server.

Gate Pass for Going Outside | [Link](#)

ASP.NET ,C# , JUERY ,AJAX, BOOTSTRAP

Developed a secure web-based Gate Pass Management System using ASP.NET Web Forms and SQL Server.

Designed multi-role interfaces (User/Admin/Security) with role-based access control and local storage session handling.

Implemented gate pass creation with purpose, exit time, and document attachment support.

Integrated SMTP email alerts for real-time approval/rejection notifications.

Built C# (ADO.NET) backend with full CRUD operations and a Security Panel for employee exit/return tracking.