

Shivam Kate

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PROFESSIONAL SUMMARY

Detail-oriented .NET Developer with 2 years of experience in ASP.NET Core MVC, Web API, C#, EF Core, SQL, and IoT-based real-time data processing. Skilled in building scalable REST APIs, performance-optimized backend systems. Experience with AWS basics, Swagger, MySQL, and real-time ITS deployments across Government transport corporations.

SKILLS

- **Languages:** C#, JavaScript, HTML, CSS, SQL
- **Frameworks / Libraries:** ASP.NET Core, MVC, Web API, Entity Framework Core, Bootstrap
- **Backend & Architecture:** Clean Architecture, Dependency Injection, Asynchronous Programming (async/await),
- **Databases:** MySQL, SQL Server, MongoDB
- **Tools / Platforms:** Visual Studio, VS Code, Postman, Swagger, IIS, Hercules TCP/IP, AWS Basics, MySQL Workbench, MongoDB Compass

EXPERIENCE

Software Engineer | Chemito Infotech — Nashik

Nov 2023 – Present

Chemito Bus Fleet Management System

- Contributed to a large-scale Intelligent Transport System (ITS) platform deployed across 3500+ buses in 4+ Indian states, involving end-to-end integration of onboard hardware devices and backend systems.
- Possess strong understanding of ITS hardware architecture including GPS modules, MDVR, cameras, PCS sensors, CAN/vehicle health interfaces, SOS switches and peripheral devices.
- Built backend modules in ASP.NET Core MVC for real-time GPS tracking, route deviation detection, idle-time analysis and historical movement playback.
- Worked on device-to-server communication flow, data packet decoding, validation and processing of real-time data received from vehicle-mounted hardware devices.
- Integrated Passenger Count System (PCS), vehicle health monitoring and alert engine covering harsh braking, harsh acceleration, overspeeding, geofencing and SOS events.
- Developed dashboards for device connectivity status, camera health, peripheral monitoring and trip performance analytics.
- Implemented two-way calling (SIP/VoIP), OTA firmware updates, route upload/change, trip assignment and remote device configuration modules.
- Designed logic for distance calculation, driver behavior analysis, attendance tracking and route violation reporting using real-time and historical hardware data.
- Actively involved in hardware-level troubleshooting including device offline issues, GPS signal loss, power interruptions, data latency and field-level integration challenges.

Ticket Management System

- Built ticketing modules used by 150+ engineers and depot managers for real-time ITS fault reporting.
- Implemented automated workflow where tickets auto-assign and escalate as per business rules.
- Built dashboards showing depot-wise, client-wise and component-wise failure trends.
- Integrated notifications via email, SMS and Firebase for instant alerts.
- Added analytics for resolution time, repeat faults and bus-level performance.
- Generated Excel/PDF complaint history and component performance reports.
- Developed ASP.NET Core MVC frontend and Web API backend for Android integration.

Inventory Management System

- Managed tracking for 5000+ hardware components including inward, outward and faulty replacements.
- Built real-time stock visibility for depots, assigned items and high-failure components.
- Implemented low-stock alerts with automated email notifications.
- Added Excel/PDF reporting for stock summary, movement history and component usage.
- Developed ASP.NET Core MVC interface and Web API backend with MySQL.

EDUCATION

B.E. Computer Engineering

July 2020 – July 2023

Sakpal Knowledge Hub, Nashik

CGPA: 8.37

Diploma in Information Technology

June 2016 – May 2020

Sandip Polytechnic (SP), Nashik

SSC

June 2015 – June 2016

L.P.D.P. Maratha High School, Satana (Nashik)