

# Vinay Patwa

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## Skills

**Languages:** C#, C, C++, SQL, HTML, CSS, JavaScript

**Frameworks & Technologies:** .NET Framework, ASP.NET Core, Entity Framework, JWT Authentication, Swagger/OpenAPI

**Cloud & DevOps:** Microsoft Azure (Web Apps, App Service, Blob Storage, Managed Identities), Azure Fundamentals (AZ-900)

**Tools & Libraries:** Git/GitHub, Serilog, MSSQL Workbench, Visual Studio

**Architecture & Patterns:** N-tier Architecture, Repository Pattern, Multi-threading, Async-Await, Delegates, Global Exception Handling

## Professional Experience

**Software Development Intern**, Celebal Technologies May 2025 - Oct 2025

- Developed enterprise-grade Contact Management Application using .NET framework with N-tier architecture following industry-standard patterns including repository Pattern
- Implemented comprehensive authentication and authorization system using JWT bearer tokens for secure API access
- Integrated Azure Blob Storage for efficient photo upload and management features
- Designed and implemented email verification service with custom redirection endpoints for user verification
- Implemented structured logging using Serilog for enhanced application monitoring and debugging
- Created comprehensive Swagger documentation with detailed request/response examples for API endpoints
- Developed global exception handling middleware for improved code maintainability and error management
- Utilized Inversion of Control (IoC) container for dependency injection, promoting loose coupling and testability

**Summer Intern**, Rajasthan Police Headquarter – Jaipur May 2024 - July 2024

**Web Developer**, Infotech Computer Education – Kishangarh June 2023 - July 2023

**C++ Developer Intern**, NetParam Pvt. Ltd – Jaipur Aug 2022 - Sept 2022

## Projects

**Client Project: NexusOne-Backend (.NET Core)**

- Developed OData controllers exposing queryable endpoints mapped with MapControllers().
- Integrated EF Core NexusOneDbContext for persistent storage and implemented repository/service calls in controller flows.
- Authored Log Analytics helpers to programmatically build parameterized Kusto queries and generate Azure Portal deep-link URLs for diagnostics.
- Wrote clear XML/Swagger annotations on controllers and operations to improve API discoverability and developer experience.
- Configured and integrated Swagger UI for comprehensive API testing and documentation.

**Contact Management System (.NET Core)**

- Built a comprehensive contact management application using .NET Core with N-tier architecture
- Implemented JWT-based authentication, Azure Blob Storage integration, and email verification services
- Features include structured logging with serilog, global exception handling, and comprehensive swagger documentation
- Utilized dependency injection, async-await patterns, and multi-threading for optimal performance

## Education

**Poornima College Of Engineering**, B.tech in Computer Science 2021 - 2025

- GPA: 8.0
- **Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Web Development, etc.

**Shiv Jyoti Sr Sec Academy School**, Senior Secondary (Science) | Percentage: 69 2020

**Caliber Academy Sr Sec School**, Secondary Education | Percentage: 85 2018

## Certifications

**Microsoft Azure Fundamentals (AZ-900)** 2025

**AI Fluency: Claude Code in Action**, Udemy 2025