JITENDRA KUMAR

Software Engineer | Full Stack & AI Specialist

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PROFESSIONAL SUMMARY

Product-focused Software Engineer with 3+ years of experience building scalable enterprise applications. My background combines deep **.NET ecosystem** knowledge with modern **Golang** development. I focus on practical engineering: modernizing legacy systems, building high-concurrency microservices, and integrating **AI/ML** models to solve production-level problems.

TECHNICAL SKILLS

Backend & API:	C# (.NET Core, .NET Framework), Golang (Go), Python, RESTful APIs, Microservices
Frontend:	JavaScript, HTML5, CSS3, JSON, XML
Data & Storage:	Microsoft SQL Server, SQLite, Entity Framework, Database Design
AI & Machine Learning:	Computer Vision (OpenCV), NLP, Deep Learning, Document Processing (OCR)
DevOps & Tools:	TeamCity (CI/CD), Git, Docker, Postman, Windows Services

PROFESSIONAL EXPERIENCE

Aloha Technology Pvt Ltd | *Senior Software Engineer*   January 2023 – Present

- **Legacy Modernization (Delphi to Golang):** Leading the backend modernization initiative to convert legacy Delphi microservices into high-performance Golang services. This transition is improving system concurrency and ensuring the platform is scalable for future growth.
- **Data Synchronization Architecture:** Designed and built a resilient Windows Service (C#.NET) to sync critical production data between multiple remote factory locations and the central HQ server. Addressed connectivity issues to ensure consistent data availability.
- **AI-Powered Document Automation:** Engineered a "Blank Field Detection" system using Python and Computer Vision to validate PDF forms. This feature automatically flags incomplete documents, reducing manual rejection rates and speeding up operations.
- **DevOps & CI/CD Ownership:** Configured and maintained TeamCity build pipelines for .NET projects. Automated the deployment process to dedicated servers, which eliminated manual errors and reduced release turnaround time.
- **Full Stack Development:** Led the development of new features for the Merchant Service Provider platform. Managed both the C# backend logic and frontend integration, ensuring a high-quality user experience.
- **Internal Tooling:** Built a custom Chatbot in Golang to automate internal support tickets, reducing the workload on the IT helpdesk.

KEY PROJECTS

Facial Emotion Recognition Model

- Developed a Deep Learning model (CNN) using Python to classify human emotions from facial data.
- Trained on the FER-2023 dataset and optimized the model to achieve 66% validation accuracy, demonstrating expertise in neural networks and hyperparameter tuning.

Twitter Sentiment Analysis (COVID-19)

- Created a sentiment analysis tool to track public perception trends using real-time Twitter data.
- Implemented the Coyote Optimization Algorithm to enhance the model's feature selection process.

EDUCATION

Master of Computer Applications (MCA) | *LNCT Group of Colleges, Bhopal*   2023 | CGPA: 8.7/10

Bachelor of Computer Applications (BCA) | *Patliputra University, Patna*   2021 | 78.25%