

# TOUSIF IZAZ

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## PROFESSIONAL SUMMARY

Aspiring Backend Engineer with practical experience in backend development and designing scalable data pipelines. Skilled in Python, golang, and SQL, with a strong foundation in building full-stack applications using Django and Node.js. Automated financial reporting processes and implemented business process automation, showcasing technical problem-solving abilities. Eager to leverage technical skills and entrepreneurial mindset to contribute to innovative backend solutions.

## EDUCATION

### California State University, Chico

Master of Science, Computer Science

Aug 2023 - Present

• GPA: 3.5

• Coursework: Advanced Data Structures and Algorithms, Applied Graph Theory, Theory of Computation

### Institute of Business Administration, University of Dhaka

Bachelor of Business Administration

Jan 2018 - Jun 2022

## EXPERIENCE

### Beximco Pharmaceuticals Ltd

Business Intelligence Intern

Feb 2022 - May 2022

Dhaka, Bangladesh

- Automated financial reporting leveraging Python (Pandas, NumPy), reducing manual reporting time by 20%
- Performed competitive and trend analysis on 10+ companies, identifying key KPIs for strategy benchmarking.
- Delivered a financial correlation study that informed cash conversion cycle optimizations for senior management.

### Breaking Bistro

Founder/Operations and Marketing Manager

Nov 2020 - Jul 2023

Cumilla, Bangladesh

- Founded and scaled a bistro to a team of 8, overseeing marketing, operations, and automation, resulting in increased operational efficiency and market presence
- Deployed automation solutions across core business workflows, showcasing advanced technical problem-solving capabilities in enterprise settings.

## PROJECTS

### AI-Powered Resume Optimization Platform

Jan 2025 - Present

- Architected end-to-end RAG pipeline leveraging LangChain and Sentence-Transformers to create an intelligent resume optimization platform, processing 100+ templates stored in ChromaDB vector database and delivering 90% accuracy in job-template matching through semantic similarity algorithms.
- Integrated Google Gemini 2.0 with LangChain orchestration to automate resume generation workflows, featuring multi-modal document processing (PDF/DOCX parsing via pdfplumber), ATS-compliant formatting, and intelligent keyword optimization using spaCy NLP analysis for recruiter-ready output
- Crafted full-stack application showcasing Streamlit web interface with real-time resume parsing, LaTeX template customization engine, and automated cover letter generation powered by retrieval-augmented generation techniques that combine job descriptions with user data for personalized content creation

### Stock Market Analytics Platform

Sep 2024 - Present

- Developed a multi-timeframe analytics engine for SP 500 and QQQ, handling 200K+ daily data points.
- Designed and built a scalable data pipeline with Polygon.io REST API integration and Apache Airflow orchestration, implementing smart rate limiting and batch processing to handle 200K+ data points daily.
- Implemented 10+ indicators (RSI, MACD, Bollinger Bands) with a 5-point reversal detection algorithm, achieving real-time insights.

### Good Frickin Hot Chicken | [website](#)

Jun 2025 - Aug 2025

chico, CA

- Developed full-stack restaurant website using React 19.1.0 and Tailwind CSS, driving 15% increase in customer traffic and 25% growth in delivery orders through enhanced digital presence and streamlined online ordering.
- Integrated Google Maps API, third-party delivery platforms (UberEats, DoorDash), and social media APIs to create interactive store locator with real-time directions and unified ordering portal, improving customer engagement metrics.
- Implemented performance optimizations including lazy loading, code splitting, and responsive mobile-first design, achieving sub-2 second load times and cross-device compatibility.

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C++, SQL, Golang
- **Web Frameworks:** Django, Django REST Framework, Node.js, Express.js, React, gRPC
- **DevOps & Tools:** Git, Docker, Kubernetes, CI/CD, GitHub Actions, Apache Airflow
- **Data & ML:** Pandas, NumPy, Scikit-learn, OpenCV, ChromaDB, LangChain, LangGraph
- **Databases:** PostgreSQL, SQLite, MongoDB
- **General Skills:** Agile Development, Backend Development, Software Development Life Cycle (SDLC), Object-oriented Design, Algorithms, Testing & Debugging, Project Management, Problem Solving, Analytical Thinking, Effective Communication