

AJAY GHOSH

SOFTWARE ENGINEER

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SUMMARY

Backend Python Engineer with 2+ years of experience in developing scalable web solutions using Django. Designed and maintained robust REST APIs, integrated third-party services, and optimized data-driven applications. Proven ability to write clean, efficient code while collaborating on cross-functional teams and contributing to code reviews. Demonstrated problem-solving skills and a strong technical foundation in real-world projects.

PROFESSIONAL EXPERIENCE

IGL Web Ltd, Software Engineer (June 2023-Current)

- Developed Online Bus Ticket Management System using Python (Django), including Admin panel and Client-Side Interface for Route Management, Bus Schedule, Ticket Booking, Fares, and User Settings. (Live: <https://iglbusticket.iglweb.com>)
- Built a Scholarship Consultancy Website where students and agents can connect for scholarships abroad, and admins can charge consultants for viewing student profiles. (Live: <https://studentvisabd.com>).
- Engineered backend API integrations, product and order management systems, and robust user authentication workflows for a scalable e-commerce platform. (Live: <https://felnatech.com>)
- Implemented a real-time, fingerprint-based attendance system with remote device access via IP, streamlining employee check-ins, automating work hour tracking, and enabling prompt salary calculations.
- Conducted code reviews to enhance code quality, reduce bugs by over 30%, and promote best practices across the team.

Codemen Solutions Limited, Intern Developer (June 2021 - October 2021)

- Assisted senior developers in feature development and code reviews while adopting Agile methodologies to ensure alignment with best practices and high code quality.

PERSONAL & FREELANCING PROJECTS

- Telegram Purchase Bot** – Built a Telegram bot to automate voucher purchases using user input, Bybit API and Binance API integration. (Python, Django).
- Object Detection System** – Developed real-time object detection for autonomous driving using YOLOv5 (Python, PyTorch).
- Student Grade Prediction** – Predicted student performance using ML on open-source data (Python, Scikit-learn).

TECHNICAL SKILLS

- Programming Languages & Frameworks:** Python, JavaScript, Django, HTML & CSS, PyTorch, scikit-learn.
- Data Structures & Algorithms:** Data structures, algorithms, Machine Learning, Deep Learning, Neural Network
- Tools & Methodologies:** REST API, Version control (Git), Software development methodologies
- Analytical Skills:** Mathematical Skills, Analytical Problem Solving
- Backend Technologies & Architecture:** Microservices Architecture, Celery, Redis, Docker, Nginx, PostgreSQL, MySQL

EDUCATION

Bsc in Computer Science & Engineering

North South University, 2020
CGPA: 3.18 out of 4.00

A Level

Willes Little Flower School & College (4.25 out of 5.00)

O Level

Willes Little Flower School & College (5.00 out of 5.00)

CERTIFICATION

Deep Learning Certificate that covers Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Structuring Machine Learning Projects, Convolutional Neural Networks, Sequence Models, and hands-on labs

ADDITIONAL INFORMATION

- Languages:** English, Bengali and Hindi.
- Activities:** Active cricket player representing Kakrail Boys Club in the Dhaka First Division Cricket League.