

Pratyush Badal

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PROFESSIONAL SUMMARY

Final-year BSc (Hons) Computing student with internship experience building backend systems, APIs, and workflow-heavy business applications. Experienced with C# and ASP.NET Core, Python and Django/FastAPI, SQL Server and PostgreSQL, React, and containerized development. Focused on maintainable code, secure access control, reliable data flows, and practical problem-solving.

EXPERIENCE

.NET Developer Intern | Swift Technology June 2026 - Present

- Develop an internal IT access request and approval system using C#, ASP.NET Core MVC, Razor, JavaScript, Bootstrap, and SQL Server.
- Implement sequential approval workflows for employees, managers, approvers, and administrators, including reapplication, expiry, decline, and revocation flows.
- Build stored procedures and parameterized ADO.NET data access for pagination, advanced search, sorting, dashboards, and Excel import/export.
- Improve security and reliability through cookie authentication, password hashing, server-side validation, authorization checks, structured logging, and asynchronous email notifications.

Software Developer Intern | Nvolve Pvt. Ltd Aug 2025 - Nov 2025

- Developed and maintained REST APIs using Django REST Framework and PostgreSQL.
- Worked with Docker Compose and PgBouncer for containerized development and database connection pooling.
- Used Celery and RabbitMQ background tasks for report generation and email work.
- Applied `select_related` and `prefetch_related` to improve relational query efficiency and contributed to PostgreSQL backup and restore tooling.

TECHNICAL SKILLS

Languages	C#, Python, TypeScript, JavaScript, Java, SQL	Backend	ASP.NET Core MVC/Web API, Dapper, EF Core, Django REST Framework, FastAPI
Frontend	React, Razor, HTML, CSS, Bootstrap, Tailwind CSS	Data	SQL Server, PostgreSQL, MySQL, MongoDB, SQLite
Tools	Docker, Git, GitHub, Postman, Visual Studio, VS Code	Platforms	Celery, RabbitMQ, PgBouncer, .NET MAUI, QuestPDF

Selected Projects

VehicleIMS - Vehicle Inventory Management System

C# | ASP.NET Core | React | PostgreSQL | EF Core

Team-built platform for vehicle inventory, bookings, parts requests, customer reviews, and role-specific dashboards.

- Contributed booking, customer, parts-request, review, and notification workflows across the layered backend.
- Implemented JWT-based customer authentication and strengthened validation, status handling, global exception handling, pagination, and request actions.

DataViz - Data Visualization and Analytics Platform

FastAPI | React | TypeScript | PostgreSQL | scikit-learn

Full-stack platform for dataset upload, cleaning, profiling, visualization, collaborative workspaces, and chart export.

- Implemented JWT authentication, email OTP verification, Google OAuth, and Google Drive dataset import.
- Built an ML-assisted chart recommendation workflow using pandas and scikit-learn.

JournalApp - Cross-Platform Journal and Task Tracker

.NET MAUI | Blazor | SQLite | QuestPDF

Cross-platform application targeting Android, iOS, Windows, and macOS with shared Blazor views.

- Implemented asynchronous SQLite persistence with app-local storage and a lightweight schema migration.
- Added a local PIN lock and styled PDF record export using QuestPDF.

EDUCATION

BSc (Hons) Computing

2023 - Present

Islington College / London Metropolitan University, Kathmandu

School Leaving Certificate (SLC / +2)

2021 - 2023

Trinity International SS & College, Kathmandu

School Education Examination (SEE)

2021

KMC School, Kathmandu

CERTIFICATIONS AND PROGRAMS

AWS Cloud Practitioner	2024	Django Essential Training	2025
AWS Academy Data Engineering	2024	Learning Docker	2025
AWS Academy ML Foundations	2024	NASA Space Apps Challenge	2025
AWS Academy ML for NLP	2024	Islington Hackathon	2025
AWS Academy Cloud Foundations	2024	Python and Django - Broadway Infosys	2020