Aryan Srivastava

📞 6374572596 — ✉ Aryan Srivastava — 🔗 linkedin.com/in/aryan-srivastava — 🐙 github.com/AryanSrivastava — 🌐 Aryan Srivastava Portfolio

Summary —

Python Backend Developer experienced in designing and deploying scalable **web applications using Django, REST APIs, and FastAPI.** Improved system performance by **optimizing Django ORM** queries and implementing efficient database architectures, **resulting in a 35% reduction in query time and 25% faster API responses.** Collaborated across QA and frontend teams to deliver production-ready features with enhanced reliability. Authored reusable backend utilities and documentation that **improved team onboarding efficiency by 30%** and streamlined development workflows.

Skills

Programming	Python, SQL, Java, C++, Bash.	**Cloud & DevOps**	AWS (EC2, S3 basics), Docker, Git/GitHub, Deployment Pipelines
Backend Develop	Django, Django REST Framework (DRF), FastAPI, Flask, RESTful API Design.	**AI/ML & Data Science**	Scikit-learn, Pandas, NumPy, Matplotlib, LangChain, OpenAI API, Twilio API.
Frontend	HTML5, CSS3, JavaScript (Basics)	**Methodologies**	Agile/Scrum, Test-Driven Development (TDD), Clean Code Practices, Version Control.
Test Automation	Selenium WebDriver, PyTest, API Testing, CI/CD Integration.		

Experience

K12 Techno Services Pvt Ltd   **Jun 2025 – Present**
IT Software Department
Software Engineering Intern - Backend and Automation Engineer

Client: Notable Placement

– Developed and deployed RESTful APIs using Django REST Framework and FastAPI, enabling seamless data integration across Eduvate modules.
– Optimized PostgreSQL ORM queries using select_related and indexing, achieving 40% improvement in API response efficiency.
– Implemented role-based access control (RBAC) and modular serializer logic to enhance data security and code reusability.
– Collaborated with product and QA teams to deliver backend solutions for DG Runtime, Admissions, and User Management systems.

Client: Challenges Unlimited

– Automated end-to-end regression and UI testing workflows using Selenium and PyTest, improving QA coverage by 70%.
– Integrated custom logger utilities, dynamic locators, and screenshot capture to streamline debugging and reporting.
– Designed data-driven testing frameworks to validate multi-role functionality across core Eduvate features.

Client: Broken Galleries

– Collaborated on ERP enhancement modules (Finance, Admissions, and Communication) to streamline backend reporting and data flow.
– Resolved critical CRM integration issues, ensuring data consistency between internal systems and external B2B clients.
– Supported feature deployment and debugging in staging and production environments, improving platform reliability for 500+ end users.

Projects

DG Generator Runtime & Fuel Efficiency Tracker   **Jun 2025 – Aug 2025**
– Built a Django-based backend system to log, track, and report DG runtime, diesel usage, and branch-level efficiency.
– Improved data retrieval speed by 40% through ORM optimizations and indexed queries.
– Delivered role-based access control and reporting dashboards, enhancing transparency for 50+ school branches.

AI-Driven Seismic Detection & Safety Automation System   **Aug 2024 – May 2025**
– Designed and deployed an end-to-end AI platform integrating Machine Learning, LangChain, OpenAI, and Twilio APIs to detect and respond to seismic activities in real time.
– Reduced manual monitoring workload by 80% and achieved a 200+ hour monthly time saving for field teams through automated safety alerts and predictive event recognition.
– Created an interactive Streamlit interface for live monitoring, analytics, and alert visualization across 15+ test zones.

Education

SRM Institute of Science & Technology, Kattankulathur   **Sept 2021 – May 2025**
Bachelor of Technology in Computer Science
Majors: Computer Science