

DIPAK SHARMA

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EDUCATION

Algonquin College

Diploma in Web Development
and Internet Applications

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, PHP, C#, SQL, HTML5/CSS3
- **Frontend:** React, Vite, Responsive UI, Bootstrap, EJS, REST API integration
- **Backend:** Node.js (Express), Laravel 12, Filament, Livewire/Blade, REST API design
- **Databases:** PostgreSQL, MySQL, SQLite
- **Authentication & Security:** JWT, RBAC, bcrypt, AES, CSRF protection, input validation, rate limiting
- **Tools:** Git, GitHub, Visual Studio Code, Adobe Photoshop, Figma
- **Operating Systems:** Linux/Unix (Ubuntu, Raspberry Pi), Windows

PROJECTS

- **Event Planning Platform | React/Node.js/MySQL:** Full-stack app with JWT + RBAC, REST CRUD for events/venues, live RSVP tracking & auto-waitlist, responsive UI, MySQL, and security hardening (validation, rate limiting).
- **Trivia Quiz App | React/Vite :** Single-page app where users pick a category, fetches 10 questions from the Open Trivia DB API, presents shuffled choices with instant correct/incorrect feedback and score tracking, then shows final results (date/category/score) and saves them to local Storage with a browsable history; built with custom components, React hooks, and a responsive UI.
- **Student Portal | Node.js/EJS/SQLite:** Secure & vulnerable twin builds to demo + remediate OWASP risks (SQLi, XSS, weak crypto); secure build uses parameterized queries, input validation, session RBAC, bcrypt, AES, CSRF, audit logs, and rate limiting; vulnerable build reproduces attacks and benchmarks fixes.

EXPERIENCE | PROJECT BASED

- **Full-stack:** HTML, CSS, JavaScript/React, Python, C#, PHP; built a secure auth/user-management system; Git/GitHub workflows.
- **Player Results (Laravel 12 + Filament, PHP 8.x, PostgreSQL):** Models/migrations, relation selects, custom **JSON viewer** (Livewire/Blade) with validation & derived stats, **CSV export**.
- **Document Intake & Event Tracking:** Multi-tenant schema/migrations, Filament admin (list/detail), and error acknowledge/replace hooks—improved traceability and operational visibility.
- **Systems & data:** Raspberry Pi + Linux CLI/basic networking; relational DB design (SQL, joins, constraints) and security controls (validation, hashing, RBAC); Python (OOP, scripting, data structures).