DEEPTANSHU SANGHANI

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EDUCATION

Bachelor of Computer Science, Sheridan College Graduated 2026

Relevant Coursework: Data Structures & Algorithms, Software Design, Software Engineering, Distributed & Parallel Computing, Operating Systems, Database Modelling, Cloud Infrastructure, Security & Privacy in the Cloud, Theory of Computation

EXPERIENCE

Software Engineering Internship | KiwotHire Jan 2026 - April 2026

Next.js, React, Supabase/PostgreSQL, Stripe (hire.kiwot.io)

- Built the full stack of a production B2B applicant tracking platform now used by **30+ recruiters** at European SMBs, deployed on Vercel and Hetzner.
- Shipped Stripe billing for **20+ paying accounts**: checkout, multi-seat team plans, proration previews, and idempotent webhooks so retries never apply twice. Traced **82 failed webhook deliveries** to a misconfigured endpoint and fixed it.
- Developed a CV analysis pipeline that has parsed and scored **300+ CVs**; SHA-256 hash caching skips reprocessing of repeat uploads and multi-signal duplicate detection flags repeat candidates.
- Implemented the production safety layer: Axiom + Sentry logging and error tracking through shared security middleware, signed storage URLs, ClamAV virus scanning on uploads with lockout for repeat offenders, and hourly/monthly rate limits.
- Engineered authentication end to end: Google OAuth (OIDC) with PKCE, stateless-token password reset, and cookie-based sessions on Supabase SSR.

Junior Programmer (Co-op) | Ontario Public Service, Treasury Board Sep 2024 - Aug 2025

C#/ASP.NET, MySQL, Azure

- Led end-to-end delivery of MFA across **7 portal applications**, adding one-time tokens (nonces) and rate limiting in C#/ASP.NET.
- Migrated customer file storage from database binary objects to Azure Blob Storage by designing a reference schema and updating C#/ASP.NET services, shrinking the database and speeding up file retrieval.
- Collaborated with the Solution Architect to produce architecture and sequence diagrams for the MFA application, documenting authentication flows and portal integration points to speed up implementation.
- Automated scheduled backups for **7 databases across 7 portal applications** with PowerShell, removing manual work.

Software Engineer Intern | Intellect Design Arena May 2024 - Aug 2024

Angular, Java/SpringBoot, MySQL, Docker

- Developed a transaction monitoring application for CIBC tracking a payment engine handling **~$200M daily**, raising alerts for processing failures and SLA breaches and reporting channel-wise volumes, using Java (Spring Boot), Angular, and MySQL.
- Created Docker-based deployment scripts for autonomous releases to WebLogic, reducing manual release effort.
- Collaborated with senior engineers to develop sequential and architectural design diagrams for the monitoring application, improving design clarity and speeding up implementation.

PROJECTS

Smaash | Next.js, React, Resend, PostgreSQL, Docker (smaash.app)

- Built and launched a competitive badminton platform: **100+ registered users**, **150+ rated players across 12 clubs**, and **1,100+ matches recorded**. Verified results, Glicko-2 ratings, leaderboards, challenges, and activity feeds.
- Engineered a **tournament management system** (single, double, triple elimination, round robin) with automated court and match scheduling that prevents player conflicts and enforces rest periods; **5 events run with 122 entries and 196 matches**.
- Designed for real-world failure cases: results auto-confirm after a deadline when an opponent doesn't respond (**189 so far**) and disputed scores go through a resolution flow. Sent **2,900+ in-app notifications and 950+ emails** through Resend.
- Built a bulk importer that loaded **2 seasons of league history (188 matches across 3 divisions)** in one undoable batch, and claimable profiles so directors can track players before they sign up (**84 created, 7 claimed**).

Rekindle | React Native, DeepFace, Mapbox, FastAPI

- Built a mobile app that helps Alzheimer's and dementia patients recognize family: face recognition identifies registered relatives through the phone camera and announces their name and relationship aloud; passwordless face login and caregiver linking.
- Implemented real-time GPS tracking that streams the patient's location to a caregiver's live map **every 5 seconds**, tracks distance from home, and alerts when the patient wanders beyond a safe range.

Technical Skills

Languages: C#, Python, Java, JavaScript, TypeScript, SQL
Frameworks & Libraries: ASP.NET, Angular, Next.js, React, Node.js, FastAPI, Spring Boot, SQLAlchemy
Databases & Infrastructure: PostgreSQL, Supabase, MySQL, SQLite, Docker, Terraform, CloudFormation, Prometheus, Grafana, CI/CD
Cloud & Tools: AWS (S3, EC2, Lambda, ECR), GCP (Cloud Run, Cloud Functions, Firestore), Azure (Blob Storage), Vercel, Hetzner, Stripe, Git