

YASH GUPTA

+1-647-624-2562 | London, ON | [Gmail](#) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

Experienced Software Development Engineer specializing in React, scalable backend APIs, and project leadership. Proficient in Python and Data Science, with a strong focus on building efficient and data-driven solutions.

Work Experience

Software Development Engineer-I | Cloudesign Solutions Pvt Ltd | Part-Time *Remote, September 2024–Present*

- Reduced requests per second (RPS) by 40% for multiple backend APIs in the billing and invoicing modules, enhancing system efficiency and lowering server costs through caching, code optimization, and batch processing.
- Mentored multiple developers in **React** and **Typescript**, improving their proficiency and accelerating project contributions.
- Developed pre signed URLs for secure file storage using S3 buckets, streamlining file management.

Software Development Engineer-I | Cloudesign Solutions Pvt Ltd | Full-Time *India, July 2023–August 2024*

- Built over 20 user-friendly **React** components, reducing user onboarding time by 30% and improving satisfaction for a logistics platform with 1,000+ active users.
- Designed and scaled 40+ backend APIs using **Typescript**, converted the application to SaaS, and implemented a tenant-based system, increasing scalability and client onboarding by 65%.
- Optimized API performance by merging **Django** and **Python** services for BambooHR, reducing response time by 60% and enhancing data integration efficiency.
- Led the project, managed client communication, adhered to deliverables, and handled deployments across all modules.

Software Development Engineer | Decimal Point Analytics Pvt Ltd | Full-Time *India, June 2022–June 2023*

- Quickly adapted as a fresher to a full stack role, learning **Javascript**, **React**, and **Node.js**, and contributing to 5+ projects within the first 6 months.
- Developed a search-on-search feature for Tiger M&E, efficiently managing 50,000+ data points and creating backend APIs using **Django** that enhanced data retrieval speed and reliability, garnering appreciation from senior management and clients for improving search efficiency by 75%.

Web Application Developer | E-svadyaya | Full-Time Intern *India, May 2021–June 2021*

- Created a web application through **CodeIgniter** framework which includes **PHP** and build backend using **MySQL** language.

Technical Skills

Languages: Javascript, Typescript, Python, C/C++, MySQL, MongoDB, HTML/CSS, Dart, JQuery, PHP

Frameworks: React, Node.js, Flask, Django, NestJS, FastAPI, NextJS, CodeIgniter, Flutter, Bootstrap, Vue, GraphQL, Material UI, Redux

Databases: PostgreSQL, Neo4J, MongoDB, Redis, SQL Server

Cloud Technologies: Docker, PM2 process thread, AWS, Azure, Kubernetes, GCP

Methodologies: Agile, Test-Driven Development (TDD), CI/CD

Tools: Postman, Swagger, Git Bash, Jira, ClickUp

Soft Skills: Collaborative, Problem-solving, Adaptability, Communication, Teamwork, Analytical

Education

Western University

Master Of Engineering in Software Engineering

London, ON, August 2024 – September 2025

Current GPA – 4/4

Thakur College Of Engineering & Technology

Bachelors in Computer Engineering

Mumbai, IN, August 2018 – August 2022

GPA - 8.71/10

Projects

Automated Healthcare System using AI Based Chatbot | [Git](#)

- Developed an AI-based healthcare chatbot using **Python**, **Flask**, and machine learning, showcasing skills in **NLP**, data processing, and model building.
- Attained 89% prediction accuracy by training and evaluating multiple machine learning and deep learning algorithms, including Random Forest and Decision Tree, optimizing model performance through rigorous comparison and **hyperparameter** tuning.

Math Bubble Master | [Git](#) | [Live Link](#)

- Built interactive math game using **React** and **Canvas API** with dynamic difficulty scaling and visual animations.
- Implemented real-time multiplayer functionality with **Socket.io** enabling seamless player interactions and live competition.

Achievements

- Secured a **gold medal** for solving algorithmic problem through C++ at [Hackerrank](#) portal.
- Published a [Research Paper](#) at IEEE and [Book Chapter](#) on automated healthcare system using AI based chatbot.
- Secured 39th rank among 4,678 participants in machine learning hackathon organized by [AmExpert Codelab](#) on hackerearth.
- Solved over 200 problems on data structures and algorithm on [Leetcode](#), [Codechef](#), [Geeksforgeeks](#) using C++ and Python.