

Vineet Panchal

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EDUCATION

Toronto Metropolitan University

Bachelor of Science in Computer Science

Toronto, ON

Expected April 2027

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C/C++, C#, SQL, TypeScript

Tools/Technologies: Next.js, React.js, Firebase, Express, PostgreSQL, MongoDB, .NET, Spring Boot, FastAPI

Certifications: IBM Cloud and Computing, Frontend Development Libraries, JavaScript Algorithms & Data Structures, Foundational C# With Microsoft

EXPERIENCE

Software Developer Intern

Sept 2025 - Present

Dayforce

Toronto, ON

- Enhanced performance analytics platforms by delivering full-stack features using C#, .NET, React, TypeScript, Azure, and SQL Server, transforming large-scale performance data into interactive dashboards that improved visibility into system reliability and regressions across performance engineering teams.
- Implemented end-to-end features across frontend, backend, and database layers, integrating REST APIs, Azure resources, and secure ASP.NET controllers to reduce manual performance analysis time.
- Led early AI and cloud initiatives by integrating Azure OpenAI with blob-backed indexing and retrieval workflows to generate automated summaries of performance data, helping engineers review release results faster.

Full-Stack Developer Intern

May 2025 – Aug 2025

Codveda Technologies

Remote

- Built a full-stack MERN application with secure user authentication following OWASP Top 10 principles, implementing end-to-end functionality and seamless database integration with MongoDB in full-stack services.
- Implemented real-time communication features using Web Sockets and Socket.io, enabling live chat functionality, responsive user interactions, and dynamic updates in a multi-user environment, improving user interactivity.
- Developed a GraphQL-based backend to support flexible data access for frontend features, designing custom queries and updates with authentication, and improving data fetching efficiency by 35%.

Software Developer Fellow

July 2024 – Sept 2024

Headstarter AI

New York, NY

- Developed AI-powered web applications using Next, React, and OpenAI, improving user engagement by leveraging dynamic UI components and intelligent state management, resulting in a more interactive user experience.
- Improved performance and reliability of applications by refining API interactions, minimizing unnecessary delays, and ensuring smoother user interactions, while supporting seamless database management across features.
- Engineered backend systems to support OpenAI model interactions, while implementing scalable application foundations with Firebase and Supabase to optimize real-time data handling and authentication.

PROJECTS

Teach For Cambodia | *Next, React, Supabase, TypeScript, Material UI*

- Developed a teaching platform for Teach For Cambodia, improving remote education accessibility and enabling seamless communication between students, instructors, & admin with Supabase and Google Authentication.
- Implemented a course management system with real-time updates, enabling educators to create, edit, and organize lessons for students seamlessly. Added dynamic search for easy course navigation.

SmartDeck | *Next, React, Firebase, Material UI, Clerk*

- Created a web app that generates flashcards for educational use, enhancing learning experiences through personalized AI-driven content, using OpenAI's API.
- Integrated Clerk for user authentication, Firebase for data storage, and Material UI for enhanced user experience.

Fashion Disaster AVOIDER | *Next, React, Material UI*

- Developed an AI-powered chatbot that provides real-time fashion advice, helping users refine their style choices. Integrated OpenAI's API to analyze outfit combinations and trends, delivering personalized recommendations.