Dhruv Yadav

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TECHNICAL SKILLS

Languages: JavaScript, C++, Java, Python, PHP, Dart, HTML5, CSS3, TypeScript
Frontend: Next.js, React.js, Tailwind CSS, Bootstrap, Flutter, jQuery
Backend & APIs: Node.js, Express.js, Flask, Django, FastAPI, REST APIs, GraphQL, Microservices Architecture
Cloud Platforms: AWS (EC2, S3, Lambda, ECS, RDS, CloudWatch), Google Cloud Platform (GCP), Google Firebase
DevOps & Containers: Docker, Kubernetes, GitHub Actions, Jenkins, NGINX, Apache, CI/CD Pipelines
Databases: MySQL, PostgreSQL, MongoDB, Redis, SQL Server
Development Tools: Git, IntelliJ IDEA, Visual Studio Code, JIRA, Linux (Ubuntu, CentOS)

PROFESSIONAL EXPERIENCE

Lot Associate (Part-time)   **Nov 2025 – Present**
The Home Depot   *Richmond Hill, Canada*

- Recognized with 2 Homer Awards for exceptional performance and customer service; selected for cross-departmental training within 2 months, demonstrating rapid adaptability and strong work ethic while pursuing software development career.

Full Stack Developer   **Aug 2025 – Oct 2025**
NumeroUno Business Growth Specialists   *Vaughan, Canada*

- Architected and deployed scalable B2B management system using service-oriented architecture with PHP REST APIs and MySQL backend, supporting multi-company workflows and real-time approval processes for 200+ active users.
- Engineered real-time sales dashboard using HTTP-based data streaming, enabling instant business insights and operational transparency across multiple retail locations, reducing decision-making time by 40%.
- Designed and implemented automated database migration pipelines using Python and Alembic, eliminating manual schema errors and reducing deployment time by 60% across development and production environments.
- Built responsive web applications with React.js and Vue.js frontends, implementing RESTful API integrations and optimizing page load times by 35% through efficient state management and code splitting.
- Containerized applications using Docker for consistent deployment across environments, implementing CI/CD pipelines with GitHub Actions to achieve zero-downtime releases.

Machine Learning Engineer   **May 2024 – Aug 2024**
Pegasus Aeronautics   *Toronto, Canada*

- Developed scalable Python-based ML pipelines processing 1,000+ row datasets, improving anomaly detection accuracy by 35% through statistical modeling and feature engineering.
- Built automated data validation and visualization tools using Python (pandas, NumPy, Matplotlib), reducing data analysis time by 50% and enabling faster troubleshooting cycles.
- Collaborated with cross-functional teams to design and implement high-performing solutions, reducing manual outlier investigations by 40% through automated statistical models.

PROJECTS & TECHNICAL CONTRIBUTIONS

OpenWav – Full Stack Social Audio Platform   **Jul 2025 – Aug 2025**
[openwav.dhruvyadav.ca](#) | [GitHub](#)

- Designed and built production-grade audio sharing platform using microservices architecture with React.js frontend and Node.js/Express backend services.
- Implemented RESTful API architecture with MongoDB, optimizing response times by 45% through efficient indexing; deployed containerized services using Docker with CI/CD pipeline via GitHub Actions.

Self-Hosted Cloud Infrastructure   **May 2025 – Present**
[chat.dhruvyadav.ca](#)

- Architected private cloud solution running multiple production web applications and self-hosted LLM models using Docker containers, NGINX reverse proxy, and automated deployment pipelines, achieving 99.8% uptime.
- Deployed and optimized custom large language models on local infrastructure, implementing secure access via Cloudflare tunnels, SSL automation, and resource monitoring dashboards while reducing hosting costs by 100%.

Instagram Clone – Cross-Platform Mobile Application   **Jun 2023 – Oct 2023**
[GitHub](#)

- Built scalable social media application using Flutter/Dart frontend with Java and Swift backend services, implementing microservices architecture for authentication, media upload, and real-time chat features.
- Designed RESTful API endpoints with efficient state management patterns, translating Figma designs into pixel-perfect responsive UI components for Android and iOS platforms.

EDUCATION

Humber College   **Jan 2025 – Dec 2025**
Graduate Certificate, Web Development
Relevant Coursework: Advanced Web Development, Cloud Computing, Database Design, Software Engineering

Humber College   **Jan 2024 – Aug 2024**
Graduate Certificate, Artificial Intelligence with Machine Learning
Relevant Coursework: Machine Learning Algorithms, Data Analytics, Python Programming

University of Delhi   **Oct 2020 – Jul 2023**
Bachelor of Science (Hons.), Computer Science
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Database Management Systems