

AAKANKSHA PHARANDE

Ottawa, ON | Permanent Resident | (613) 518-5028 | aka.pharande@gmail.com | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SUMMARY

Adaptable software developer with a solid foundation in **development**, **testing**, and **debugging**. Experienced in building **scalable cloud-based applications** on platforms like **Azure**, with a focus on optimizing performance through rigorous testing and **quality assurance**. **Collaborative team player** with a track record of success in diverse, cross-functional environments.

TECHNICAL SKILLS

Software Development

- Languages/ Frameworks Python, C#, ASP.NET, JavaScript (React, jQuery, Bootstrap), HTML/CSS, Terraform, Junit
- Databases MySQL, CosmosDB
- Tools/Technologies Git, Jira, Azure DevOps, CI/CD, REST, Websocket, Docker, Kubernetes, Power BI

System and Networking

- Networking OSI Model, TCP, UDP, IPv4/IPv6, VLAN, DNS, DHCP, HTTP/HTTPS
- Operating Systems Linux (Ubuntu), Windows (8/10/11)

Cloud Computing (Azure)

Compute (VMs, ACI, AKS, Function App, Logic App), Storage Account (Blob, Table, Queue), Networking (VNet, Subnet, NSG, VPN, ExpressRoute, Private Endpoints), ARM Templates, Azure AD, RBAC, Firewall, Log Analytics Workspace, Azure OpenAI, Azure Synapse Studio, Azure Monitor, and Cost analysis

EDUCATION

Cloud Development and Operations (Co-op Program)

September 2024 – Present

Algonquin College, Ottawa, Canada

CGPA: 4.0/4.0

Web Development and Internet Applications

September 2022 – December 2023

Algonquin College, Ottawa, Canada

CGPA: 3.99/4.0

Bachelor and Master of Environmental Architecture (M. Arch)

July 2013 – April 2020

Dr. Bhanuben Nanavati College of Architecture, Pune, India

WORK EXPERIENCE

Application Developer (Co-op)

January 2024 – April 2024

Canadian Imperial Bank of Commerce (CIBC), Toronto, Canada

- Introduced **advanced filtering functionalities** to the Forms Management (FM) product using **C#, ASP.NET**, and **MySQL**, significantly improving **data retrieval efficiency** and enhancing overall **user satisfaction**.
- Designed and deployed a **Power BI dashboard** to analyze incident trends, leading to a **10% faster decision-making process** across cross-functional teams by providing clearer, **data-driven** insights.
- Partnered with the DevOps team to automate infrastructure deployment for the FM product on **Azure**, utilizing **Infrastructure as Code (IaC)** with **Terraform** and **ARM templates**, ensuring streamlined releases.

Lead Teacher

August 2022 – October 2022

Wize Computing Academy, Ottawa, Canada

- Instructed students aged 7-14 in **Python programming** and **robotics**, providing hands-on guidance in debugging and **problem-solving** to enhance their technical skills.
- Designed engaging, real-world projects that fostered **computational thinking** and inspired creativity, helping students connect programming concepts to practical applications.

UX Designer (Intern)

January 2022 – March 2022

Ashwamedh Engineers & Consultants, Nashik, India

- Collaborated with the web development team to **enhance the user experience** of a client's website based on business requirements and customer feedback, resulting in a **20% increase in user engagement** and a **15% decrease in bounce rate** within the first month.
- Conducted **usability testing** and **gathered user feedback** to inform design decisions, ensuring the website effectively addressed user pain points and **improved overall satisfaction**.

CERTIFICATIONS

Microsoft Azure AI Fundamentals (AI-900)

September 2023

Microsoft Azure Fundamentals (AZ-900)

April 2023

PROJECTS

Best Buy Store Application | *Python, Node.js, Azure Service Bus, AKS, CI/CD* | [GitHub Link](#)

- Designed a **cloud-native** e-commerce app using **microservices architecture** on AKS.
- Developed various backend and frontend services, integrating **event-driven messaging** with Azure Service Bus and MongoDB for persistent storage.
- Leveraged **Azure OpenAI** for generating product descriptions and images.
- Implemented a **CI/CD pipeline** for continuous integration and deployment to the production environment.

Reporting System | *Node.js, Express, MySQL, PUG, Azure Storage* | [GitHub Link](#)

- Designed and implemented a **reporting system** with automated email notifications to **streamline client access to test reports**, reducing manual inefficiencies and improving user satisfaction.
- **Overcame deployment challenges** by leveraging **Docker** for consistent environment setups across development, testing, and production, ensuring smooth and reliable deployments.
- Deployed the system on **Azure** with **role-based access control (RBAC)**, enhancing **data security** and **system scalability** to support increasing client demands.

Task Manager | *C#, ASP.NET* | [GitHub Link](#)

- Designed a task management application using **ASP.NET MVC**, focusing on modular code and scalability.
- Leveraged inheritance in **Object Oriented Programming (OOP)** to handle different task types like PersonalTask and WorkTask, ensuring code reusability.
- Integrated **automated testing frameworks** to enhance reliability.

Portfolio | *HTML, CSS, JavaScript, Azure Static Web App* | [GitHub Link](#)

- Developed a **responsive** portfolio website to showcase projects and technical expertise.
- Used HTML, CSS, and JavaScript to build a clean, **accessible UI** focusing on **front-end design**.

AWARDS

Algonquin College - Dean's Honors List

2022 - 2024

CIBC - Innovation Challenge Winner and Exceptional Student

April 2024

ANCWT - 3 Minute Technical Pitch Competition Runner-up

December 2023

EXTRA-CURRICULAR / VOLUNTEER EXPERIENCE

Team member, Marketing Coordinator

November 2023 – Present

TiE, Ottawa, Canada

- Designing **marketing content** for TiE Con 2024, focusing on creating **engaging** social media campaigns on Instagram and LinkedIn to **boost event visibility** and audience engagement.
- Played an instrumental role in orchestrating the TiE Entrepreneurship Summit, 2023, actively facilitating registration, managing logistics, and overseeing event coordination for over 1,000 attendees.