

# Vaishnavi Barot

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## EDUCATION

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### George Brown College

*Applied AI Solutions Development*

**Sept 2024 – August 2025**

*Toronto, On, Canada*

### Seneca College of Applied Arts and Technology

*Cloud Architecture and Administration (GPA: 4.0)*

**Sept 2023 - August 2024**

*Toronto, On, Canada*

### Gujarat Technological University

*Bachelor of Engineering in Information Technology (CGPA: 9.0)*

**Aug 2019 - Jun 2023**

*Ahmedabad, Gujarat, India*

## SKILLS & INTERESTS

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**Programming Languages:** C++, Python, JavaScript, SQL, Bash.

**Full-Stack Development and Testing:** ReactJS, NodeJS, Bootstrap, HTML, CSS, DOM, Postman.

**Version Control, CI/CD, and Databases:** Git, GitHub Actions, Docker, Kubernetes, MySQL, MongoDB.

**Cloud and Automation:** Azure, AWS(DynamoDB, s3, Loadbalancing, Networking, ECR), Terraform, Ansible.

**Libraries:** Pandas, NumPy, Matplotlib, Tensorflow, Scikit-learn.

**Data Analytics:** Tableau, PowerBI.

## WORK EXPERIENCE

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### Information Technology Services Technologist , Seneca Polytechnic, Toronto, Canada

**May 2024 - Aug 2024**

*Skills Learned: Hardware Installation, Configuration, Troubleshooting, Networking*

- Gained hands-on experience in diagnosing and resolving hardware and software issues, including installing, configuring, and repairing computer hardware components for students, faculty, and staff.
- Assisted with the installation and configuration of classroom technology (projectors, computers, AV equipment), ensuring optimal setup and performance for educational sessions and presentations.
- Provided technical support through multiple channels (in-person, email, and telephone), addressing a wide range of IT-related problems such as hardware malfunctions and software compatibility issues.

### Cloud Support Intern, Kody Technolabs - Ahmedabad, Gujarat, India

**Feb 2023 - Aug 2023**

*Skills Learned: AWS, Kubernetes, Ansible, Terraform, Git, Docker, SDLC*

- Assisted in the set up and configuration of cloud infrastructure on various platforms such as AWS.
- Collaborated with senior cloud engineers to set up and oversee virtual machines, containers and serverless applications.
- Contributed to the monitoring and optimisation of cloud resources to ensure optimal performance and cost efficiency.
- Integrated Repositories and YAMLs with CI/CD Pipelines using GitHub Actions to update Dockers in DockerHub automatically.

### Software Developer Intern, Shaligarm Infotech - Ahmedabad, Gujarat, India

**May 2022 - July 2022**

*Skills Learned: NodeJs, React JS, Bootstrap, HTML, CSS, DOM, Postman*

- Successfully developed and deployed an e-commerce website resulting in 10% increase in user engagement.
- Implemented responsive design principles to ensure optimal performance across various devices.
- Developed Restful APIs and Integrated third-party API's into the web application backend.

## PROJECTS

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### **Bloom-Interview-Experience-Sharing-Platform** | [GitHub](#) | *ReactJs, NodeJs, Bootstrap,HTML,MongoDB,Github* **July 2022**

- Implemented a comprehensive interview experience sharing website utilizing the MERN Stack, enabling seamless blog posting, liking and commenting on other blogs and posting of blogs.
- Constructed a RESTful API that facilitates efficient data communication, thereby ensuring seamless application functionality.
- Used Jwtwebtoken for encryption of data and bcrypt for hashing.
- UsedGit for version control, and adhered to agile methodologies for project management.

### **Dockerized 2-Tier Web Application deployment to Amazon-ECR** | [GitHub](#) | *Docker, AWS, Github Actions* **Dec 2023**

- **Dockerized Web Application:** Developed and deployed a 2-tier web application using Docker to containerize a Python-based application and MySQL database, simplifying local development and environment configuration.
- **CI/CD Automation:** Implemented a GitHub Actions-based CI/CD pipeline to automate the building, testing, and deployment of Docker images to Amazon Elastic Container Registry (ECR) upon repository changes.
- **Cloud Deployment:** Managed AWS infrastructure, leveraging ECR to securely store and deploy Docker images, ensuring scalability and streamlined deployment processes.

## PUBLICATIONS

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- Diabetes mellitus prediction using various machine learning Techniques: A Comparative study **May - 2023**

## ACHIEVEMENTS AND EXTRACURRICULARS

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- Demonstrated technical prowess and innovative problem-solving skills by securing the 2nd place in the Azadi ka Amrit Mahotsav Hackathon, a competitive event focused on leveraging technology for societal impact.
- Secured a place in president's honour list for Fall 2023 Term.
- Played a pivotal role as a member of the maintenance team for the official website of Vishwakarma Gov. Engineering College.