Thoufeek Baber

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Summary

Results-driven Cloud Development and Operations student with expertise in **Python**, **Azure**, and **CI/CD** tools. Experienced in deploying scalable **microservices**, **cloud architectures**, and developing efficient software systems. Eager to **contribute** technical skills and **problem-solving** expertise to drive **innovation** and operational **efficiency**.

Technical Skills

- Programming & Frameworks: Proficient in **Python**, **JavaScript**, **React.js, Vue.js**, **Git**, Next.js, **Node.js**, **FastAPI**, and Express for **full-stack cloud-native** development.
- Cloud & DevOps: Hands-on experience with **Docker**, **Kubernetes**, **Terraform**, Ansible, and Microsoft **Azure**. Skilled in **CI/CD** pipelines using **GitHub Actions**.
- Database & AI/ML: Skilled in **MySQL**, **PostgreSQL**, MongoDB, and AI/ML frameworks such as **PyTorch**, **LangChain**, **NumPy**, **Pandas**, and Ollama. Familiar with **MLOps** and **data pipelines**.
- Soft Skills: Effective **communicator** and **collaborator** with strong **leadership**, **adaptability**, **problem-solving**, and **documentation** abilities.

Education

Algonquin College, Ottawa, ON   September 2024 – Present
Cloud Development and Operations – **Graduate Certificate**

Conestoga College, Waterloo, ON   September 2023 – April 2024
Information Technology and Network Security – **Graduate Certificate**

Vidya Academy of Science and Technology Technical Campus, India   August 2018 – September 2022
Bachelors of Electronics and Communication Engineering

Academic Projects

Credit Card Transaction Monitoring System   January 2024
- Developed a transaction monitoring system with a **Vue.js** frontend and **FastAPI** backend, integrating **REST APIs** and a relational **MySQL** database.
- Containerized services using **Docker** and deployed the application on **Azure Kubernetes Service** (AKS), implementing horizontal pod **autoscaling** for **scalability**.
- Built **CI/CD pipelines** with **GitHub Actions** to automate **testing**, container **builds**, and **deployments** to Kubernetes clusters.
- Enhanced fraud detection with **AI/ML** algorithms using **PyTorch**, leveraging **Azure ML** and **data pipelines** for model training, deployment, and monitoring.

Azure Cloud Architecture for Data Transformation   December 2024
- Designed and deployed data architecture using Microsoft Azure services, enabling seamless data flow and analytics.
- Configured **Azure SQL Database** to store and manage data.
- Utilized **Azure Data Lake** to ingest and transform data for optimized storage in **Azure Blob Storage**.
- Set up **Azure Synapse Analytics** to run analytics on transformed data.
- Implemented **Azure Data Factory** pipelines to streamline data processing and enhance workflow efficiency.

Leadership and Extracurriculars

Event Support Volunteer – The Crunch Entrepreneurship Competition   November 2024
- Fostered a **positive** and **collaborative** environment by **effectively communicating** with participants and assisting teams in brainstorming innovative solutions.
- Demonstrated **adaptability** and **problem-solving** skills by addressing technical connectivity issues and

providing necessary resources to enhance team productivity.

- Encouraged **critical thinking** and **idea generation** by asking insightful questions, guiding participants to develop impactful business models.

Co-Founder - Algonquin College Code Frontier Club   **October 2024 – Present**

- Spearheaded **community engagement** initiatives**, organizing** interactive events, study groups, and **mentorship** programs to promote **collaboration** and **peer-driven** learning.
- Advanced **leadership** and **organizational** skills by designing skill-enhancement **workshops** on cutting-edge tech topics, including **web development**, **IoT**, and **machine learning**.
- Strengthened **professional communication** and strategic planning through partnerships with **industry leaders**, facilitating guest lectures, **hackathons**, and internship opportunities to connect academia with real-world experiences.