# Hamza Ahmed Siddiqui

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## Education

**Conestoga College, Waterloo •** April 2024

Graduate Certificate — Computer Application Development
**Concentration 1**: Web Design & Development; **Concentration 2**: Mobile App Development; **Concentration 3:** Database Management
**Courses:** System Development, Web Foundations, Microsoft Web Technologies, Software Development Techniques, Web Technologies

**University of Essex, United Kingdom •** July 2021

Bachelor of Engineering — Robotic Engineering
**Concentration 1:** Java & C++ Programming; **Concentration 2**: Artificial intelligence and intelligent agents; **Concentration 3:** Sensors, motion control algorithms & high-level cognition
**Courses:** Mobile Application Development, AI, Mobile Robotics, Computer Vision, Digital Electronic system & Application Programming

## Work Experience

**Dematic Software** — **Software Engineer**                                    JAN 2022 – AUG 2023

Manchester, UK | *Internal Core Team*
- Led the development of Central Technology Hub (CTH) to consolidate data from multiple sub-systems.
- Sole primary developer for CTH-trawlers sub-system, responsible for data mining and web scraping.
- Authored and executed test scripts to ensure data accuracy within the CTH.
- Developed and maintained MySQL and PostgreSQL databases, implementing schema migrations effectively.
- Investigated and resolved logged defects, enhancing overall system stability.
- Successfully orchestrated the migration from Mercurial to Git, streamlining development and collaboration.
- Created essential Entity-Relationship (ER) database diagrams for CTH and LiveOps system.
- Developed background automation scripts to optimize internal processes.
- Ensured data security and access control using Vault.
- Produced vital endpoints for the Internal LiveOps system, improving its functionality and usability

**Bright Network — Intern**                                    MARCH 2021 – APRIL 2021

United Kingdom | *Technology Consultant*
- Gained valuable insights into the Technology sector by connecting with leading employers, including Google.
- Acquired the ability to adapt skills and mindset to keep pace with the fast-evolving landscape of digital transformation.
- Participated in workshops led by industry leaders, covering topics such as the Internet of Things, data management, software development, clean code, and complex problem-solving.

**Transworld Education Bureau — Trainee**                                    JUNE 2018 – JULY 2018

Karachi, Pakistan | *Network Foundations*
- Gained practical knowledge in foundational networking and computer hardware skills.
- Acquired essential insights into networked computer systems' core principles.
- Proficiently configured and deployed routers, switches, and wireless controllers.
- Conducted in-depth analysis of software, hardware, and network systems across various transmission systems.
- Analyzed software, hardware, and network systems for various transmission systems.

## Leadership Experience

**Pakistan Society, University of Essex –** Vice President

- Successfully coordinated numerous events aimed at promoting and celebrating my culture, traditions, and embracing diversity.
- Fostered collaboration with international societies, fostering cultural exchange and global understanding.
- Cultivated robust interpersonal relationships with individuals from diverse ethnic backgrounds.
- Achieved recognition and accreditation from the Student Union, earning the prestigious Gold Standard in 2020

## Skills & Interests

**Technical Knowledge:** Java, JavaScript, HTML, CSS, C/C++, Python, C#, OOP, BDD, TDD, DevOps, CI/CD, MySQL, PostgreSQL, Software Testing.

**Skills**: JIRA, Redmine, Jenkins, GitHub, GitLab, Git, Excel, Filmora Wondershare, Adobe Photoshop, Pixlr
**Soft Skills:** Self Starter, Problem solving, Organizational skills, Risk Management, Startup Vision, Multitasking, Teamwork