Muzammil Mohiuddin

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EDUCATION

University of Washington Bothell | Bothell, WA   **September 2022 - Present**
Bachelor of Science in Computer Science and Software Engineering
GPA: 3.7 | Dean's List: Winter 2024, Autumn 2023

- **Coursework**: Data structures and Algorithms, Discrete Mathematics, Software Engineering, Operating Systems, Databases, Usability and User Centered Design, Information Assurance and Cybersecurity.

WORK EXPERIENCE

University of Washington Bothell SiEE Lab   **Bothell, WA**
Undergraduate Research Assistant / Developer   *January 2024 - June 2024*

- Collaborated with the Security in Emerging Environments (SiEE) Lab to conduct extensive research on video and file-sharing techniques for Android devices evaluating various packages and devices resulting in a 45% improvement in application connectivity and recognition.
- Developed GhostPeerShare, a privacy-focused peer-to-peer media sharing application, achieving a 75% reduction in unauthorized data access using Fully Homomorphic Encryption
- Achieved a similarity precision of 0.9932 and an accuracy balance of 0.9797, with average runtime of 1.5 seconds, enabling secure and efficient sharing among users.

DataRoo   **Bellevue, WA**
AI Research Intern   *September 2023 - January 2024*

- Leveraged a skill set in programming and AI frameworks, mainly utilizing Python, C++, TensorFlow, and PyTorch to develop and train AI models, resulting in a 10% increase in model accuracy.
- Led data annotation and labeling for chatbot user interactions, enhancing training data quality and achieving a 15% improvement in the chatbot's accuracy in understanding and responding to user inputs.

PROJECTS

Data Flow Web Application   *February 2024 - March 2024*

- Designed a cloud-based data flow web application using ASP.NET MVC and Azure Cloud, facilitating the seamless transfer and management of data.
- Utilized services such as Azure Tables and Blob storage to support efficient loading, querying, and clearing of data in a NoSQL database. The application enables dynamic data flow, allowing users to import and manipulate datasets effortlessly.

AWS Backup Manager   *January 2024 - February 2024*

- Developed a cloud-based backup and restore application using Python and AWS cloud storage APIs and Amazon S3 for object storage enabling seamless directory traversal for file management. Utilized the AWS SDK for Python (Boto3), to interact with AWS services and ensure efficient data handling and management.

CERTIFICATIONS

- Microsoft Java Fundamentals (MT 98-388)
- Microsoft Azure Fundamentals (AZ-900)
- AWS Certified Cloud Practitioner (CLF-C01)
- Certified Python Developer

TECHNICAL SKILLS

Languages: C/C++, C#, Java, Python, JavaScript, HTML, CSS, SQL, PHP, Dart
Developer Tools: Git, Linux, AWS, Azure, Android Studio, React, Angular JS, Node.js, Docker, PyTorch, Flutter