

# Mehak Kambo

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## EDUCATION

### University of Washington

June 2024 – June 2026

*Master of Science in Computer Science & Software Engineering*

### University of Washington

Sep 2020 – Dec 2023

*Bachelor of Science in Computer Science & Software Engineering*

*GPA: 3.7*

## EXPERIENCE

### Undergraduate Research Assistant

Bothell, WA

*University of Washington*

*Oct 2023 – Dec 2023*

- Rewrote the UWTechPrep application, transitioning from a Flask framework to a full-stack architecture with a React frontend, Flask REST API, and MySQL database, thereby improving scalability, performance, and overall user experience
- Actively participated in code review sessions with teammates, leading to a 40% reduction in code errors and significantly improving overall code quality
- Utilized Azure DevOps (ADO) for comprehensive project management, streamlining workflow, task tracking, and collaboration, ensuring efficient progress and timely delivery of the UWTechPrep platform enhancements

### Software Engineer Intern

Remote

*LeNgineer*

*Jun 2022 – Sep 2022*

- Designed and implemented a REST API using Flask and PostgreSQL to store and manage data from user-generated content resulting in 30% reduced data retrieval times
- Collaborated with the team to design a scalable and efficient database schema that reduced query response times by 25%, improving the overall performance of the system
- Documented API endpoints details, request/response formats, error handling, authentication/authorization mechanisms resulting in improved developer understanding and streamlined integration processes

## PROJECTS

### FitTrack Microservices Platform | *ASP.Net, Apache Kafka, Docker, PostgreSQL* |

- Developed a microservices architecture, including User Management, Workout Logging, Diet Tracking, and Progress Monitoring services using ASP.NET Core and Entity Framework Core
- Implemented Apache Kafka to enable asynchronous event-driven communication between services, ensuring decoupled and scalable service interactions
- Created a Marketing Service that consumes user registration events from Kafka to send real-time promotional emails to newly registered users, enhancing user engagement

### Jake's Latex Resume Builder (In-Progress) | *React.JS, Go, MongoDB* |

- Developing a web-based application to streamline and simplify the creation of LaTeX resumes for users unfamiliar with LaTeX, enabling them to effortlessly generate professional technical resumes
- Integrating a backend service using Go to process user data and dynamically generate LaTeX resumes based on the renowned Jake's template

### AWS Backup/Restore Program | *AWS S3, Java* |

- Programmed a command line program in Java for AWS CLI users to either backup a file directory to an AWS S3 bucket or restore a file directory to your machine from an S3 Bucket
- Optimized program by implementing recursion to traverse file directories and preserve directory structure in S3 bucket and only backing up files that have been locally modified since last backup

### Dad-Joke-Teller VS Code Extension | *JavaScript* |

- Developed and launched a VS Code extension that provides users with on-demand random dad jokes, enhancing their coding experience through moments of humor and relaxation with 60+ installations

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, JavaScript, Go, C#, HTML, CSS, SQL

**Technologies:** Django, Flask, ReactJS, NodeJS, ExpressJS, MongoDB, MySQL, PostgreSQL

**Developer Tools:** Git, AWS, Azure, Shell