

Shaikh Ibrahim Rahman

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EDUCATION

Dickinson College

Bachelor of Science in Computer Science and Mathematics, May 2026, GPA: 3.69

Carlisle, PA

Aug. 2022 – present

- Relevant Courses: Data Structures and Algorithms, Java, Python, Discrete Maths, Computational Mathematics, Multivariable Calculus, Computing Abstraction, and Software Development2

WORK EXPERIENCE

Software Engineer Intern

June 2024 – August 2024

Biman Bangladesh Airlines

Dhaka, Bangladesh

- Developed and maintained software applications using Java and Python to streamline airline operations and improve customer service.
- Collaborated with cross-functional teams of 10+ members using Agile methodologies to design and implement 15+ new features.
- Assisted in troubleshooting and resolving 30+ technical issues, improving system performance and reliability by 15%

Software Developer

Jan 2024 – May 2024

FarmData, Dickinson College

Carlisle, PA

- Developed web applications using JavaScript, Vue.js, and MySQL for farm data management.
- Conducted automated testing with Cypress, resolving 20+ bugs and resolved 10+ issues on GitHub, using Git for version control.
- Wrote optimized code and RESTful APIs, reducing data retrieval time by 40%. Improved frontend design, increasing user satisfaction by 20%.

Student Research Project

September 2023 – March 2024

84 Lumber

Carlisle, PA

- Created a ML pipeline to generate the documentation that interprets and explains corporate C Basic code
- Modernized the corporate C Basic codebases by translating them into Python, Java, and .NET.

Software Developer Intern

June 2023 – August 2023

Systech Digital Limited

Dhaka, Bangladesh

- Developed a dynamic inventory management system using PHP, HTML, CSS, and JavaScript, optimizing resource allocation and streamlining operations.
- Engineered a CRM platform with React.js and Node.js, enhancing client interactions and increasing retention rates.
- Optimized MySQL databases for improved performance, securing data integrity. Implemented robust security measures, reducing unauthorized access by 40%, and streamlined development with Git.

PROJECTS

Grade Submission Automation

Nov 2022 – Dec 2022

- Developed an automated educational website using PHP, HTML, CSS, and JavaScript.
- Implemented features for automated report card generation and grade tracking.
- Optimized MySQL databases for improved performance and security.

MineSweeper Game

Mar 2023 – Apr 2023

- Created a customizable MineSweeper game in Java with Eclipse IDE.
- Implemented core game mechanics and maintained game state efficiently.
- Developed comprehensive JUnit test suites for validation.

Expense Tracker

Feb 2024 – Mar 2024

- Engineered a responsive expense management web app using Vue.js, HTML, and CSS.
- Implemented end-to-end testing with Cypress for robust functionality.
- Designed intuitive user interfaces to enhance usability and engagement.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, HTML/CSS, PHP, MATLAB

Frameworks: React, Laravel, Angular Js, Vue

Developer Tools: Git, Visual Studio, Microsoft Office suite, PyCharm, Eclipse, AWS, SQL, command line tools, docker

Libraries: NumPy, Matplotlib, Bootstrap