

# Satwik Misra

Availability: January-June

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## EDUCATION

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**Northeastern University**, Boston, MA Fall 2020 - Present  
Khoury College of Computer and Information Science, Concentration in Artificial Intelligence **GPA: 3.7/4.0**  
*Candidate for Bachelor of Science in Computer Science, 2024*  
**Relevant Courses:** Algorithms and Data, Discrete Structures, Object-Oriented Design, Artificial Intelligence, Database Design, Contemporary Issues in Health, Fundamentals of Computer Science, Mathematics and Data Models, Tech and Human Values  
**Honors:** Dean's List, University Honors Program, AP Scholar with Distinction  
**Activities:** OASIS Full-Stack Accelerator, DATA Club, Code4Community, Finance and Investment Club

## TECHNICAL KNOWLEDGE & INTERESTS

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**Programming Languages:** Java, HTML/CSS, MySQL, JavaScript, Python, MATLAB  
**Frameworks:** React  
**Developer Tools:** Unix/Linux, Git, IntelliJ, VSCode, Windows, Jupyter Notebook, Eclipse, PyCharm, Docker, Kubernetes  
**Spoken Languages:** English (fluent), Hindi (professional working proficiency), French (limited working proficiency)  
**Interests:** Tech news, Investing, Music, Sports & Fantasy Football, Computers, Weightlifting, E-commerce, Cooking

## PROFESSIONAL EXPERIENCE

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**SecureVia Inc**, Acton, MA (remote) | *DevOps Intern* June 2021 – Sep. 2021

- Certified 50+ CIS Kubernetes benchmarks on a Linux VM to ensure that product met cybersecurity standards
- Created Docker build images for CI/CD pipeline to run and deploy tests on containers
- Performed competitive analysis on cloud posture security products, narrowing down competitors by 75%

**Reflexis Systems/Zebra Technologies**, Dedham, MA | *Data Visualization Intern* June 2019 – Aug. 2019

- Analyzed data from 1000+ stores nationwide about employee productivity to optimize shift scheduling times
- Designed graphs using Cognos and QlikSense to optimize staffing, making schedules significantly more efficient
- Worked with a team of 3 interns to write Cognos workbook tutorials for 70+ corporate customers
- Improved app store reviews for mobile scheduling app by 200% through vigorous UI/UX testing

**Suffolk University**, Boston, MA | *Software Development Intern* June 2018 – Sep. 2019

- Developed a graph visualization tool in MATLAB for undergraduate Calculus classes of 50+ students
- Built a GUI with adjustable graph settings using MATLAB app designer

**Ekal Vidyalaya Foundation**, Medford, MA | *Program Coordinator and Volunteer* Jan 2016 – Sep. 2018

- Lead and co-organized a hack-a-thon for 60+ elementary school children at Tufts University
- Taught participants how to use MIT's Scratch language and design applications with a team

## PROJECTS

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**Finance Webapp** | *React, HTML, CSS* June 2021- Present

- Utilized the CoinGecko API to read cryptocurrency data and make a customizable crypto tracker
- Produced a budgeting app using React, HTML, and CSS that allows users to track expenses, deposits, and withdrawals
- Constructed a SQL database to store data involving user transactions

**Image Processor** | *Java* May 2021 – June 2021

- Collaborated with a peer to compose an image processing application in Java with a Swing GUI
- Employed SOLID design principles to build a loosely coupled Model, View, and Controller
- Implemented the visitor, builder, command, and adapter patterns to allow for easy code modification/extension
- Constructed tests with JUnit while applying Test-Driven-Development techniques throughout the project

**Algorithmic Maze Solver** | *Java* Jan 2021 – March 2021

- Built a program purely in Java to solve mazes up to 100x100 using BFS and DFS
- Allowed for a "manual mode" where users could solve the maze themselves, adding animations for successful attempts
- Made use of pair-programming techniques and object models to plan, build, and debug the application
- Handled the UI using the Java Funworld and Impworld libraries