

# KAVYA VERMA

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## EDUCATION

### Boston University — Boston, MA

Sep 2024 – Jan 2026

Master of Science (M.S.) in Computer Information Systems

Concentration: Web Development | GPA: 3.67 / 4.0

Relevant Coursework: Full-Stack Web Development, Database Design, Cloud Computing, Software Engineering

### Wichita State University — Wichita, KS

Aug 2019 - Dec 2023

Bachelor of Science (B.S.) in Computer Science

## PROJECTS

### myBookBag | React, Node.js, MongoDB, JWT, REST APIs

Sep 2024 – Dec 2024

- Engineered a full-stack book tracking application with secure JWT-based authentication and bcrypt password hashing
- Implemented RESTful APIs with CRUD functionality, input validation, and centralized error handling
- Integrated Google Books API for real-time book search and metadata retrieval
- Designed a mobile-first, responsive UI and optimized the MongoDB schema for efficient data access

### URL Shortener | Next.js, TypeScript, MongoDB, Vercel

Mar 2025 – May 2025

- Designed and built a production-ready URL shortening service using Next.js App Router and MongoDB
- Implemented backend validation to enforce alias uniqueness and prevent collisions
- Developed server-side redirection logic with optimized query handling
- Deployed on Vercel with cross-browser compatibility and environment-based configuration

### Movie & Series Review Platform | Node.js, JavaScript, HTML, CSS, TMDB API

Sep 2024 – Dec 2024

- Developed a full-stack media review platform enabling users to search, review, and curate movies and TV series
- Integrated the TMDB API to support real-time search and dynamic content rendering
- Built secure review submission and session-based authentication for user-generated content
- Implemented personalized user collections and data persistence with backend validation

### Stock Trade Simulator | JavaScript, Node.js, REST APIs

Oct 2024 – Nov 2024

- Built a mock stock trading application simulating buy/sell operations and portfolio tracking
- Designed RESTful APIs to manage transactions, balances, and trade history
- Implemented data validation, logging, and error handling to ensure system reliability

## WORK EXPERIENCE

### Webmaster Intern — Boynton Insurance Group, Natick, MA

Sep 2023 – Dec 2023

- Maintained and enhanced the company website with responsive layout improvements
- Implemented on-page SEO optimizations and monitored analytics to improve visibility
- Analyzed user behavior data to inform UI and content improvements

### Facility Lead — Campus Recreation Wichita State University, Wichita, KS

Jun 2021 – Dec 2023

- Led and mentored 20+ staff members, improving operational efficiency and customer satisfaction
- Managed scheduling, logistics, and incident resolution in a fast-paced environment

### Web Manager — TRIO SSS, Wichita, KS

Jul 2021 – Sep 2021

- Maintained and improved internal web portals using Agile workflows
- Debugged cross-browser layout issues using Chrome DevTools, improving performance by ~25%

## CERTIFICATIONS

AWS Essential Training for Developers - LinkedIn Learning

Succeeding in Web Development: Full-stack and Frontend - LinkedIn Learning

Framework Valley - React - Codedex

## SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, Java, PHP, C/C++, HTML5, CSS3

**Frameworks:** React, Next.js, Node.js, Express

**Databases:** MongoDB, MySQL, Azure SQL, GraphQL

**APIs & Security:** REST, JWT, bcrypt, HMAC

**Tools & Platforms:** Git, Docker, Postman, VS Code, NPM, Vercel, Google Analytics