

Bhavesh Dewan

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EDUCATION

Iowa State University, Ames, Iowa

2021 - 2024

Bachelors in Computer Science (Dean's List)

Coursework: Data Structures and Algorithms, System Design, Operating Systems, Software Developer Practices

Certifications • JPMorgan Chase & Co - Software Engineering Job Simulation - Forage, Mar 2025

• Goldman Sachs - Software Engineering Job Simulation - Forage, Jan 2025

SKILLS

Programming: Java, Python, SQL, JavaScript, TypeScript, C++

Tools & Framework: Git, Spring, React, Node.js, Selenium, Jira

Practices: System Design, Agile, UML diagrams, TDD

EXPERIENCE

CarCrafter (Automotive Tech Startup for Car Comparison)

August 2024 - Present

Software Developer (San Jose, CA)

- Engineered a full-stack car comparison platform using **MERN stack**, with real-time data synchronization and a variant system that slashed data entry time by **60%**.
- Fortified a login system using **JWT** and **MongoDB**, reducing unauthorized access by **40%**, and an admin dashboard managing **100+** car specifications with **75%** greater efficiency and accuracy.
- Devised and implemented a scalable comparison engine with **React hooks** and **Zustand**, enabling users to seamlessly compare up to 3 cars across **25+** specifications with precision.

GaoTek (Advanced Testing Equipment Supplier)

June 2023 - Aug 2023

Software Engineer Intern (Mountain View, CA)

- Transformed 10,000+ **Jenkins tests** into **Selenium scripts** (Java), accelerating testing efficiency by **50%** and resolving edge cases with iterative debugging.
- Applied parameterized queries and prepared statements in **SQL** to manage **relational databases** and **XML data** while using **Git** for version control, significantly reducing software vulnerabilities related to SQL injection by **30%**.
- Orchestrated **JUnit** integration with teams, optimizing **CI** and trimming manual testing by 40% for swift deployments.

Acadmission (Ed-Tech Startup Helping Indian Students Study Abroad)

May 2022 - Aug 2022

Web Development Intern (Jaipur, India)

- Streamlined backend processes using **caching**, **New Relic**, and **Google PageSpeed** Insights, leading to a **20%** decrease in page load times and a **15%** increase in customer engagement metrics.
- Revamped a website in 1 month with **A/B** and **usability testing**, amplifying conversions by **25%** and user retention.

PROJECTS

FlashAI (AI Flashcard Generator) - [Link](#)

Jan 2025 - Mar 2025

- Pioneered an AI flashcard web app with **React**, **TypeScript**, and **OpenAI**, cutting content creation time by **80%**.

Advanced Web Scraper - [Link](#)

Oct 2024 - Dec 2024

- Devised an e-commerce price tracker tool with **Python**, **Flask**, and **Selenium**, to extract product details, images, and price.

MODLBOX (Modular Deep Learning) - [Link](#)

Jan 2024 - May 2024

- Directed a **deep learning** app with **PyTorch** and **PySide6**, streamlining model training and boosting engagement by **35%**.

Movie Track (Android Application) - [Link](#)

Aug 2022 - Dec 2022

- Enhanced an Android app's backend with **Spring Boot**, optimized **MySQL** queries, implemented caching strategies, and improved performance by **30%** while ensuring seamless **API testing** with **Postman**.

OTHERS

HackISU (2023): Crafted a real-time task scheduler with **Python**, **Flask**, and **Redis** with a team in 24 hours.

Tech Speaker, ISU (2023): Delivered a talk on "Building Scalable Web Apps with React & Node.js," attended by 50+ students.

Peer Coding Tutor (2022): Provided tutoring for introductory programming courses, simplifying Java and Python concepts.