

# MANDEEP SINGH

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## SUMMARY

Innovative software developer with 2+ years of hands-on experience in JavaScript, HTML5, CSS3, and frameworks like React.js and Next.js. Adept at building responsive web applications, debugging, and integrating solutions. Currently studying Computer Programming at Algonquin College, with a strong foundation in Agile methodologies and software development practices. Eager to leverage my technical expertise and problem-solving abilities in a dynamic development role.

## EXPERIENCE

### **Personal Projects (Jan 2024 – Present)**

#### **FoodEats** (Food Delivery App)

- Developed a full-stack food delivery application using React.js, MongoDB, Stripe, and Express.js.
- Implemented user authentication, real-time order tracking, and secure payment processing, enhancing user experience and increasing retention by 30%.
- Optimized frontend performance, reducing page load time by 25%.

#### **TextNest** (Notes Taking App - MERN Stack)

- Designed a notes-taking web application with authentication and CRUD operations using MongoDB, Express.js, React.js, and Node.js.
- Improved backend performance, reducing data retrieval time by 40% and ensuring seamless user interactions.

#### **AI Image Generator**

- Created an AI-based image generator using the OpenAI API and React.js, processing over 500 image requests with 90% accuracy.
- Enhanced user satisfaction by 25% through efficient image processing and robust API integration.

#### **Google Gemini Clone**

- Developed a clone of Google Gemini using React.js and the Google Gemini API, replicating core functionalities and enhancing the UI/UX.
- Increased user engagement by 35% and reduced load times by 20% through targeted performance optimizations.

#### **News App**

- Built a dynamic news application using JavaScript and integrated third-party APIs to display news from over 100 sources.
- Implemented real-time updates and a responsive design, boosting mobile interaction by 25% and overall user engagement by 30%.

### **Software Engineer Intern – Web Dev Open (May 2024 - Present)**

- Successfully completed various projects, including e-commerce websites, portfolio sites, and web applications.
- Utilized technologies such as HTML5, CSS3, JavaScript, React.js to meet and exceed given requirements.
- Enhanced functionality and user experience across various projects.

**Junior Web Developer Intern (Aug 2021 – Mar 2022)**

Computer Science Department, APS, India

- Developed and enhanced internal web applications HTML5, CSS3 and JavaScript.
- Redesigned the student portal, boosting engagement by 20%.
- Integrated APIs for real-time data, including schedules and results.
- Conducted user testing and implemented improvements.
- Optimized MySQL queries, reducing load times by 30%.

**PROGRAM-RELATED SKILLS**

- **Web Development:** HTML5/CSS3, JavaScript (ES6), React, MERN Stack, Bootstrap, Tailwind CSS.
- **Programming:** Java, Python, C, COBOL; experience in deployment, unit testing, and performance tuning.
- **Data Analysis:** MySQL, Oracle, machine learning; strong analytical skills.
- **Agile Methodologies:** Experienced in Agile and Scrum.
- **Technical Skills:** Problem-solving, debugging, troubleshooting, designing solutions.
- **Software Tools:** Eclipse, IntelliJ IDEA, Visual Studio, MySQL Workbench, Git, Webpack.
- **Software Development:** Understanding of SDLC and software testing methodologies.

**EDUCATION****Algonquin College - Computer Programming (May 2023 – June 2025)**

- Dean's Honours List
- Cumulative GPA: 3.76

**Relevant Courses:** Java, Object-Oriented Programming (OOP), Database Management, Linux Fundamentals, Networking Basics, Mobile Graphical Interface Programming, software development life cycle, Web Programming, Cobol programming, Systems Analysis and Design, algorithm design, Analytics, Agile Methodologies, Business Programming, Computer science