Bhavpreet Singh

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Skills

BACK-END DEVELOPMENT | Java • JavaScript • Express • Node.js • Electron • Python • TypeScript
FRONT END DEVELOPMENT | React.JS • Redux • Next.JS • Tailwind • Bootstrap • HTML • CSS • EJS • React-Native
DATABASE & MISCELANEOUS | MongoDB (Compass, shell & Atlas) • MySQL • Docker • Mongoose • GIT • NLP • Machine Learning • MS Office • Window
SOFT SKILLS | Problem Solving • Time Management • Adaptability • Team Collaboration & Communication
CERTIFICATION | Salesforce Administration • Salesforce Platform Developer I • Salesforce App Builder • Web Development

Work Experience

One Community Global, SAN GABRIEL, CA | Software Developer | Jan 2025 – Present

• Developed full-stack functionality across multiple projects, including time-tracking software, a community portal, listing and bidding platforms, and analytics dashboards, leveraging **React.js, Node.js, Express, and MongoDB** to deliver scalable and maintainable solutions.
• Designed and implemented sophisticated user-facing components, such as a dynamic listing overview, interactive availability calendar with integrated **booking system**, **geolocation-enabled maps**, and **a secure messaging platform** connecting hosts and users, enhancing the overall user experience.
• Engineered robust backend systems to support critical features like **Wishlist management, comment sections, messaging workflows, and booking operations**, ensuring seamless data handling, smooth user interactions, and reliable system performance.
• Developed comprehensive **analytics dashboards** including PR Insights (tracking PR quality and review metrics), Job Dashboard (monitoring pledge duration by role), and Listing/Bidding Analytics, enabling stakeholders to make **data-driven** decisions. Additionally, implemented charts in the listing and bidding dashboard for admins to monitor **area performance and engagement**.
• Built and enhanced company job portal features, including a job application workflow with custom options for each position, coupled with **modern frontend improvements** to streamline the application process and improve candidate experience.
• Improved application reliability and performance by **diagnosing and resolving critical bugs, deploying hotfixes, and optimizing workflows**, resulting in enhanced system stability and user satisfaction.

NYIT, Learning Center, Old Westbury, NY | Peer Tutor | Nov 2023 – May 2024

• Tutored individuals and small groups across various academic subjects, tailoring lesson delivery to accommodate diverse learning styles and comprehension levels, which improved student engagement, understanding, and long-term knowledge retention.

Education

URBANA CHAMPAIGN INSTITUTE OF TECHNOLOGY - Champaign, Illinois
Masters in computer science | Jan 2025- Present

NEW YORK INSTITUTE OF TECHNOLOGY - Old Westbury, New York
B.S., computer science | Jan 2021-dec 2024 | **GPA:** 3.90 | **CS GPA:** 3.90 | **Honors:** T.K.Steele Scholarship 2021-24, Presidential Honor List | 2021-24

Academic Projects

NYIT, Old Westbury, New York Library Deliver system | spring 2024 – Fall 2024
• Developed full-stack functionality using **Node.js, Next.js, and MongoDB**, building both frontend and backend components for seamless performance and scalability.
• Integrated and managed the connection between **frontend and backend systems, implementing RESTful APIs** to enable **personalized recommendations, secure authentication, and smooth book delivery workflows**.

Hotel Feedback Portal | Fall 2023
• Developed a Node.JS-based Hotel Feedback Portal with **Express.js, EJS, MongoDB**, and others, featuring user authentication, machine learning-powered complaint categorization, and PDF report generation for managers.
• Implemented modular code structure for maintainability and robust error handling, enhancing the overall user experience in the hospitality sector.

Messenger | Fall 2023
• Designed a secure and feature-rich chat application in **Java**, utilizing **MySQL** for robust

• Developed structured lesson plans, customized study guides, and targeted practice materials to reinforce key concepts, monitor progress, and address areas of difficulty, ensuring consistent academic improvement and measurable learning outcomes.

• Mentored students in **critical thinking, analytical reasoning, and problem-solving** strategies, encouraging curiosity, independent learning, and academic confidence through guided discussions and personalized feedback.

• Utilized strong **communication, leadership, and organizational** abilities to manage multiple tutoring sessions efficiently, maintain student focus, and create a positive, goal-oriented learning environment conducive to sustained academic growth.

HONORS & AWARDS

• T.K.Steele Scholarship | 2021-24
• Presidential Honor List | 2021-24
• National Silver Medalist (Shooting) | 2018-19

user authentication, socket programming for real-time communication, and **Java Swing** for an intuitive user interface.

• Achieved seamless message and file transfer functionality within a client-server architecture.

Shadow Bank | Fall 2023

• Developed a Java-based banking system, "Shadow Bank," featuring robust database interactions with **MySQL**, secure user **authentication**, and comprehensive management of customer accounts, employee profiles, and approval workflows.