

# **YASHASHWINI BHAT**

yashaswinibhat94@gmail.com | [LinkedIn](#) | Seattle, WA

## **TECHNICAL SKILLS**

- **Languages:** C++, Java, C#, JavaScript, HTML/CSS, Python, SQL
- **Frameworks/ Tools:** .NET Core, React, Node.js, Spring boot, JUnit, Git, CI/CD, VS Code, Docker
- **Cloud and Tech:** Azure, AWS, Vertex AI, Hugging face, LLM API's, MySQL, MongoDB, Agile, Microservices, Kubernetes, Data Structures and Algorithms, Prompt Engineering

## **EDUCATION**

<b>Northeastern University</b> , Seattle, WA	Oct 2021 – Oct 2023
Master of Science in Computer Engineering (GPA – 3.9)	
<b>Related Courses:</b> OOD using Java, Data Structures and Algorithms, Web Design	
<b>Visvesvaraya Technological University</b> , Karnataka, India	

Bachelor of Engineering in Computer Science

**Related Courses:** Computer Architecture, Distributed Systems, Database Systems, Operating Systems.

## **PROJECTS**

<b>SmartHire- High-Performance AI Job Matching Engine</b>   Node.js, MongoDB, Groq SDK (Llama 3), Multer	
<ul style="list-style-type: none"><li>• Engineered an AI-driven Job Matching Engine using Node.js and Groq (Llama 3) that transforms unstructured pdf into contextual data comparing them against scraped job description via one-shot prompting.</li><li>• Implemented LLM Orchestration with one-shot prompting and strict JSON parsing to generate automated match scores (0-100) and identify critical skill gaps for applicants.</li></ul>	
<b>Generative AI Risk Analysis Assistant</b>   Vertex AI, Gemini LLM, Python, Rest API, Prompt Engineering	
<ul style="list-style-type: none"><li>• Developed a generative AI risk analysis assistant using Google's Vertex AI(Gemini) to analyze and summarize risk from unstructured input.</li><li>• Converted prompt workflows into prototype applications using REST APIs for real-time analysis.</li></ul>	
<b>Scalable Chat Application</b>   React, Node.js, Rest API, MySQL	
<ul style="list-style-type: none"><li>• Implemented WebSocket to support instant messaging and provide continuous user updates.</li><li>• Deployed real-time chat app using WebSocket's and Docker containers. Implemented asynchronous message queue to handle 1K+ concurrent users.</li></ul>	
<b>Hotel Management System</b>   Java, MySQL, Google calendar, NetBeans, JUnit	
<ul style="list-style-type: none"><li>• Designed a running swing application to design and implement software systems for complex problems that focus on the construction of digital platforms.</li><li>• Integrated external API's (Google Calendar) and achieved high code readability through JUnit testing.</li></ul>	

## **EXPERIENCE**

### **MindStack Technologies – Software Engineer, India**

- Engineered scalable Spring Boot microservices and a multithreaded notification system, increasing conversion by 10% and supporting 1k+ concurrent users
- Optimized SQL queries and backend architecture, reducing system response times by 20% using Docker and CI/CD pipelines.