

YASHASHWINI BHAT

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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

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

Bachelor of Engineering in Computer Science

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

PROJECTS

SmartHire- High-Performance AI Job Matching Engine Node.js, MongoDB, Groq SDK (Llama 3), Multer	
<ul style="list-style-type: none">• 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.• 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.	
Generative AI Risk Analysis Assistant Vertex AI, Gemini LLM, Python, Rest API, Prompt Engineering	
<ul style="list-style-type: none">• Developed a generative AI risk analysis assistant using Google's Vertex AI(Gemini) to analyze and summarize risk from unstructured input.• Converted prompt workflows into prototype applications using REST APIs for real-time analysis.	
Scalable Chat Application React, Node.js, Rest API, MySQL	
<ul style="list-style-type: none">• Implemented WebSocket to support instant messaging and provide continuous user updates.• Deployed real-time chat app using WebSocket's and Docker containers. Implemented asynchronous message queue to handle 1K+ concurrent users.	
Hotel Management System Java, MySQL, Google calendar, NetBeans, JUnit	
<ul style="list-style-type: none">• Designed a running swing application to design and implement software systems for complex problems that focus on the construction of digital platforms.• Integrated external API's (Google Calendar) and achieved high code readability through JUnit testing.	

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.