

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

- **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

- Developed a generative AI risk analysis assistant using **Googles 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

- 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

- 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.