

# Yashvi Bansal

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## Summary

Software Engineer with **2 years** of experience delivering scalable banking solutions using **Java, Python**, and **REST APIs**. Skilled in automation **frameworks, AI integration, AI guardrails** and building robust, **user-centric products**. Passionate about leveraging technology and AI to solve complex problems and drive business impact

## Experience

### SDE -1 | Kotak Mahindra Bank Limited

Aug '23 - Present

#### Centralised Report Server

- Engineered **centralized reports platform**, boosting cross-team visibility & reducing report retrieval time by **80%**
- Built a responsive multi-page website with **Flask, React, & Amazon S3**, enhancing user accessibility and experience
- Automated reports onboarding via **CI templates** reducing manual effort by **90%** & enabling real-time updates

#### AI Models Evaluation

- Developed **LLM evaluation framework** for identifying **10+ OWASP security vulnerabilities** for banking use case
- Successfully integrated business requirements using **DeepEval** by developing **custom modular** classes
- Created **high-level design** documents and roadmaps, enabling continued framework development process

#### Finacle API Automation

- Designed & implemented **Java-based API automation framework** for Finacle APIs reducing testing time by **60%**
- Enhanced test data management by engineering automated data generation, reducing manual data prep by **50%**.
- Implemented framework to identify **124** bugs & resolved **~60%** bugs, improving overall quality and reliability

#### API Manager Library

- Minimized unexpected errors with custom **exception handling**, thus improving software robustness
- Streamlined documentation with **automated javadoc** creation, cutting the onboarding time by **40%**
- Boosted code reliability and maintainability by achieving **~90%** coverage through meticulously designed unit tests

## Key Projects

### Vibe Check - MCP server simplifying git for vibe coders

May '25 - May '25

#### *The Better Hack - 1st Runner-up in 2 days hackathon*

- Developed an **AI-powered MCP server** enabling users to perform Git operations through natural language
- Integrated **OpenAI** to generate custom commit messages and manage project versions via user prompts
- Built intuitive tools that abstracts **git** complexity, simplifying **version control** for non-technical collaborators

### [Connect](#) - Multi-feature video chat website

Jun '21 - Jul '21

#### *Microsoft - Engage Mentorship Program*

- Developed **real-time video chat website** using **WebRTC, Socket.io, PeerJS, JavaScript, ExpressJS, NodeJS**
- Prioritized user experience with **Google OAuth login** and unique, shareable meeting links by using **JS uuid package**
- Applied **agile methodology** for iterative software development and incorporating mentor feedback on the go

## Skills

- Programming Languages:** Java, Python, C++, C
- Tools & Frameworks:** DeepEval, RestAssured, JUnit, Postman, OOPs, Agile Development, Software Design
- Others:** Ollama, Langchain, Multi-Agent Architecture, OpenAI, LLMs, DSA, Cross-functional Collaboration
- Certifications:** Design Thinking, SOLID Principles, Hugging face - Agents Course

## Education

### B.Tech | Indian Institute of Technology, BHU, Varanasi (IIT BHU)

Jul '19 - May '23

- Coordinator, Jagriti - Annual Social Weekend 2021, Social Service Council, IIT BHU, Varanasi
- Volunteer at various social organisations: Social Service Council, Bhumija, Gram Mela, Nirman (SEARCH)
- Executive - Student's Alumni Interaction Cell, IIT (BHU), Varanasi