

# Varnika Bagaria

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## Technical Skills

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**Languages:** Java, Python, TypeScript, HTML, CSS, C, C++, MySQL

**Technologies:** React.js, Vue.js, Flask, Spring Boot, jQuery, Node.js, PostgreSQL

**Tools:** Git, JIRA, IntelliJ, VS Code, Bootstrap

**Concepts:** Operating System, MicroServices, Error Handling, API Development, Database Management System

## Experience

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### Thoughtworks

Aug 2022

Consultant Developer

Bangalore, Karnataka

- Optimized MySQL database queries, reducing latency in API call from 1s to 20ms and enhancing overall application performance
- Converted monolith architecture to micro-services architecture to improve user experience and have better aesthetics
- Improved code quality and test coverage using jest to 93%
- Introduced automated testing that identified issues in development, increasing the team sprint velocity
- Contributed to the adoption of agile methodologies, utilizing Jira and Confluence, improving team productivity by 15% through iterative development cycles

### Shopsky India

Nov 2020 - May 2021

Web Development Intern

Bangalore, Karnataka

- Developed a responsive web design as a UI developer, utilizing HTML, CSS, and Bootstrap to enhance the screen's appearance for an improved user experience.
- Adhered to coding standards to maintain a high code quality rating of 95%.

## Projects

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**Career Connect** | Flask, Jinja2, MySQL, Redis, HTML, CSS, Bootstrap

- Utilized Redis server to introduce API caching, adjusting timeout durations between 15 minutes and 1 day based on the specific API call's purpose.
- Designed a normalised database system that stored data effectively with least redundancy
- Achieved a high level of code quality with a pylint score of 8/10
- Ensured adherence to PEP8 formatting standards by incorporating Python black styling

## Education

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**Indian Institute of Technology, Madras**

Dec 2020 - May 2024

Bachelor of Science in Data Science (GPA: 7.99 / 10)

Online

- **Relevant Coursework:** Computational Thinking, Programming Concepts using Java and Python, Database Management Systems, Software Engineering and Testing, Data Structures and Algorithms, Business Analytics, Application Development, Data Visualization, Introduction to Big Data, Machine Learning

**RNS Institute of Technology, Bangalore**

Aug 2018 - Mar 2022

Bachelor of Engineering in Computer Science and Engineering (GPA: 9.01 / 10)

- **Relevant Coursework:** Programming in C, Operating System, Application Development, Data Structures and Algorithms, Machine Learning

## Interests

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- Open Source Contribution
- Competitive Programming
- Listening to music