

# SUKHVINDER SINGH

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## Profile

Highly motivated and results oriented Software Development Engineer with more than 2 years of experience in crafting robust backend solutions leveraging Node.js and Python. Adept at collaborating within cross-functional teams to design, develop, and implement scalable and efficient applications. Proficient in programming fundamentals and project management methodologies. Eager to contribute expertise and passion for technology to a dynamic organisation.

## Key Skills

- **Programming Languages:** Node.js, Python, C++, HTML, CSS, JavaScript, SQL
- **Frameworks & Libraries:** Express.js, React.js, Django
- **Testing Frameworks:** Cypress, Mocha
- **Version Control:** Git
- **Additional Skills:** Office-365, Problem-Solving, Communication, Teamwork, Time Management, Leadership

## Work experience

### Suraasa (Gurugram, India), Software Development Engineer III

May 2022 – August 2024

- Designed and developed highly scalable backend solutions for the National Teaching Olympiad and accommodated 5,000 plus users.
- Implemented Redis DB to accelerate API response times and manage concurrent users effectively.
- Collaborated closely with UI/UX designers and front-end developers to ensure consistency and functionality across the entire application.
- Utilised Node.js and Python to create robust and efficient APIs, facilitating seamless data exchange between frontend and backend components.
- Developed a credential management system to store and manage users' certificates, and implemented user enrollment system
- Developed a centralised authentication and resource package for Suraasa, streamlining authentication and simplifying API calls from JSON data.

### Suraasa (Gurugram, India), Backend Intern

April 2022 – May 2022

- During this period, focusing on Node.js and Python training, along with Adonis.js framework. Gained Understanding of Suraasa's system and completed a self-project for the organisation. Additionally, contributed to the Suraasa finance system, developing a transaction management system.
- Utilised Git for version control and effectively managed project workflow.

### Hybrowlabs Technologies (Pune, India), Web Development Intern

June 2021 – January 2022

- Collaborated with the team to implement front-end components, ensuring cross-browser compatibility.
- Developed responsive web pages using HTML, CSS, and JavaScript, enhancing user experience and accessibility.
- Gained hands-on experience in debugging and troubleshooting UI/UX issues across various platforms.

## Education

University of Essex, MSc Advanced Computer Science

September 2024 – October 2025 (Expected)

University of Delhi, BSc (Honours) Electronic Science (Achieved: 7.418/10 CGPA)

July 2019 - May 2022

Bhai Joga Singh Public School, Senior Secondary (XII-Science) (Achieved: 88.7%)

2018-19

## Interests & hobbies

- I am a big fan of team sports and play cricket.
- Solving coding challenges on competitive programming platforms.
- Continuously learning advanced Python techniques and exploring new programming paradigms.
- Enjoy listening to a variety of music genres to unwind and stay focused.

## References

Chirag Jain, Solution Architect, Suraasa, email: [cj@suraasa.com](mailto:cj@suraasa.com)

Vasu Kataria, SDE-3, Suraasa, email: [vasu@suraasa.com](mailto:vasu@suraasa.com)