

Jasraj Singh Bhatia, Software Developer Engineer

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PROFILE	Motivated Indian Institute of Technology graduate with a Minor in Computer Science. Proven expertise in API development, software optimization, and project management. Demonstrated ability to enhance operational efficiency and reduce costs.
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EMPLOYMENT HISTORY

May 2023 — Jul 2023	Software Developer Engineer Intern, Amazon	New Delhi
	<ul style="list-style-type: none">Resolved AWS Step Function failures by optimizing workflows, mitigating operational disruptionsEnabled \$1M in annual savings by eliminating unnecessary executions, achieving a 100x cost reduction.Extended maximum workflow run time from 18 days to 365 days, enhancing operational flexibility	

EDUCATION

Nov 2020 — Present	B.Tech., Indian Institute of Technology	New Delhi
	B.Tech in Textile Engineering, IIT Delhi. Strong academic record (7.81 GPA) and Minor in Computer Science.	

PROJECTS

Sahay: ChatGPT Powered Chatbot for Solving Complex Legal Queries

- Developed chat bot, leveraging the **GPT-3.5-turbo model by Open AI**, to provide quick and accurate responses to legal queries
- Developed a responsive user-friendly interface using the latest **front-end technologies**, ensuring accessibility for non-legal experts

Smart Home Solutions

- Developed intelligent home automation systems by transforming traditional switchboards into Wi-Fi-enabled smart switchboards
- Received Works with Hey Google Certification, devices can be controlled using Google Assistant & Google Home App
- Improved the response time by 80% by transitioning from chaining synchronous web requests with asynchronous web requests

eCommerce warranty system using NFTs

- Developed an application that generates a **Non-Fungible Token (NFT)** and transfers it to the customer's account upon product purchase
- Created a **Smart Contract** for the warranty system, allowing brands and retailers to validate purchase authenticity and warranty duration
- Mitigated false claims** by programming the NFTs to decay and eventually get destroyed post the warranty period

TECHNICAL SKILLS

- Languages and Frameworks:** Java, C/C++, SQL, HTML 5, CSS 3, JavaScript/TypeScript, Flutter
- Libraries/Software:** Angular.js, MongoDB, Express.js, React.js, Node.js (MERN Stack), Bootstrap, Microsoft Office
- Skills:** Git, Project Management, Internet Of Things (IoT), Cryptography, Blockchain, Automation

EXTRA-CURRICULAR ACTIVITIES

- IT Manager, Board for Hostel Management Website, BHM IIT Delhi (Oct 2021 - May 2022)
- Technical Contributor (Full Stack Developer), OCS IIT Delhi (Apr 2021 - Apr 2022)
- Back-end developer at DevClub IIT Delhi

REFERENCES

References available upon request