

Shashwat Garg



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Summary

Strong engineering professional working as a Software Engineer III in Google, with a Bachelor's degree focused on Computer Science & Engineering from Indian Institute of Technology, Mandi. I have expertise on scalable system design, backend development, efficiently using AI for work, and fair practice with frontend development. My strengths include efficient collaboration, innovative ideas, and problem solving. Actively looking for new opportunities to expand my strengths and skillset.

Skills

- Scalable system design
- Backend development
- AI for work
- Problem solving
- Efficient team collaboration
- Ownership & accountability

Honors & Awards

Paper publication | JPDC

Researched on Resilient Distributed Formal Concept Analysis (RDFCA), which got published in the Journal of Parallel and Distributed Computing.

ACM ICPC Regionals | CodeChef

Reached the regionals of ACM ICPC 2018 held in Amritapuri.

Runner-up in Topcoder Hackathon | Topcoder

Stood 2nd in the Hackathon organised by Topcoder in the College campus, for the project - CodeAssist.

Special Mention Award | IIT Mandi

For the contribution and performance in Volleyball team of the institute, and for being an amazing captain for the team.

Education

B.Tech., Computer Science and Engineering

Indian Institute of Technology, Mandi

CGPA: 9.10/10.00

Aug 2016 - Jun 2020

Experience

Aug 2024 - Present

Software Engineer III @ Google

Bangalore, India

Search Discover

Skills: AI | LLM | Offline pipelines | Monitoring | Reliability | C++

- Elevate user experience on **Discover feed** by adding **AI Overviews** of the items.
- Ensure only the **best and relevant images** are shown to users w.r.t. the AI Overview for the respective content.

Dec 2023 - Aug 2024

Member of Technical Staff @ Salesforce

Hyderabad, India

Commerce Cloud

Skills: Monolithic architecture | Java | SpringBoot | React | LWC

- Worked with the **Commerce cloud** team where we helped customers setup their online stores in the most hassle free manner possible.
- We provide **time-to-value** to customers by automating the steps they might need to take manually so that they can get their store up and running as soon as possible, hence increasing the value they get out of their license purchase.

Aug 2020 - Dec 2023

Software Development Engineer 2 @ Microsoft

Hyderabad, India

Bing Travel

Skills: Microservices | Monolithic architecture | .NET MVC | React | AutoSuggest

- Built a hotel deals **vertical from scratch**, aggregating prices across providers to help users find the **best options in one place**.
- Developed scalable microservices handling **200M+ daily requests**; contributed to both microservices and monolithic systems.
- Integrated the vertical across **multiple platforms** to improve **content discovery** and **drive user engagement**.
- Created an AutoSuggest service for the vertical, for giving suggestions to users for their queries, and **help complete their search faster**.

Projects

Aug 2019 - June 2020

Resilient Distributed Formal Concept Analysis (RDFCA)

Major Technical Practicum Project

Tech: Java | Kafka | ZooKeeper | HDFS

- Built a **fault-tolerant distributed system** for irregular applications like Formal Concept Analysis with Linear time Closed itemset Miner.
- Currently uses only LCM, plan to extend to other algorithms too.

Mar 2017 - May 2017

Oculoscripter

<http://github.com/Shashwat-Garg/OculoScripter>

Tech: Openframeworks | C++ | Code::Blocks

- People suffering from **ALS or paralysis** are not able to express themselves to the open world. Aim was to make it easier for them to **communicate with the outside world**.
- An openframeworks based C++ software, built on top of the open source project **eyewriter-1.0** with a lot of modifications.