

Ishank Sharma

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Education

California State University, Long Beach

MS in Computer Science, May'26

– Relevant Coursework: Adv Artificial Intelligence, Adv Software Engineering, Database Architecture

Experience

CommerceIQ, Bengaluru [Software Development Engineer 2]

May'23 - Aug 24

- Developed a sophisticated recommendation system that resulted in a 20% boost in advertising efficiency by leveraging historical data and implementing data normalization techniques.
- Engineered a data pipeline utilizing mathematical and statistical approaches to effectively address the cold start problem in recommendation systems.

CommerceIQ, Bengaluru [Software Development Engineer 1]

May'21 - July 23

- Designed and implemented ETL pipelines using Snowflake, ensuring efficient data ingestion and adherence to SLAs for daily data processing.

CommerceIQ, Bengaluru [Software Development Engineer Intern]

Feb'21 - May'21

- Conducted benchmarking comparisons between Firebolt and Snowflake to assist in selecting the optimal data warehousing solution for CommerceIQ.

Internet Archive [Open-Source Contributor]

Mar'20 - Mar '21

- Archive.org - Added support for zooming in/out with keyboard on Safari browser, and increased test coverage. (View Repository)
- OpenLibrary.org - Added metadata to Open Library's index page for better search engine optimization, improving search visibility and ranking. (Visit Open Library)
- Bookgenomeproject.org - Developed an XML parser for books present at Internet Archive that identifies page types. Also introduced more stop words for better text cleanup. (Explore the Project)
- BookReader - Built a demo feature for selecting text from images using a mouse cursor, showcasing the potential for advanced text manipulation directly within the browser. (Access BookReader Project)

Activities & Extracurriculars

Google Developers Student Club - Ramaiah Institute of Technology

- Organized workshops, hackathons, and technical events, significantly enhancing the tech culture in the college community.
- Volunteered in the National Service Scheme, contributing to social initiatives like orphanage visits and blood donation drives.

Awards & Accomplishments

- Winner, Smart India Hackathon 2020: Team Avocado - Developed a smart patrol system for interactive geographical map-based police monitoring and deployment.
- Runner-Up, Microsoft IncubateIND Innovation Series Hackathon: Created a women's safety project utilizing voice assistants to alert family and nearby police in distress situations.
- Runner-Up, Reverie Language Hackathon: Designed a solution enabling communication between shopkeepers and buyers speaking different languages.
- Honorable Mention, GE Healthcare Precision Hackathon: Developed an internal hospital workflow automation system to reduce patient wait times.

Skills & Interests

- Programming: Python (Advanced), Pyspark, Java (Advanced), JavaScript (Intermediate), C/C++ (Intermediate)
- Web Development: HTML, CSS, NodeJS, Flask, Spring Boot
- Artificial Intelligence: LangChain, Pandas AI
- Tools: Git, AWS EC2, Step Function, Lambda, MapBox, Kafka
- Interests: [Reading Technical Blogs, Research Papers]