Ishank Sharma

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GitHub | LinkedIn

Education

California State University Long Beach   MS in Computer Science, May'26

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

Ramaiah Institute of Technology, Bengaluru   B.E. Information Science and Engineering, Aug'21

– Bachelor of Engineering - CGPA: 8.52

– Relevant Coursework: Data Structures and Algorithms, OOPs, Machine Learning, Data Science

– Major Project: Beats Allocation and Navigation System for Indian Police

Experience

CommerceIQ, Bengaluru [Software Development Engineer 2]   May'21 - Present

– Developed E-Commerce Data Model on Spark with metadata added on Databricks that increased LLM efficiency on top of data model by 62%.

– Developed an advanced recommendation system, leading to a 20% increase in advertising efficiency.

– Designed a new data pipeline using mathematics and statistics to address the cold start problem in recommendation systems, enhancing recommendation accuracy by 70% also reducing snowflake pipeline cost by 60

– Created a self-serving dashboard feature, enabling users to generate custom sales and advertising reports, improving user engagement by 30%.

Internet Archive [Open-Source Contributor]   Mar'20 - Mar/21

– Implemented keyboard zoom in/out functionality for Safari browser, enhancing accessibility and user experience.

– Developed an XML parser for book categorization, helping identify specific book pages present at archive.org.

– Built a prototype and proof of concept for text selection from images on webpages, demonstrating potential for copying text from images right inside the browser.

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

– Winners Smart India Hackathon 2020: Team Avocado - Smart patrol system to allocate monitor and deploy Indian police on an interactive geographical map.

– Runners Up - Microsoft IncubateIND Innovation Series Hackathon: Women Safety project using voice assistants to alert family members and nearby police in case of distress.

– Runners Up - Reverie Language Hackathon: Solution allows a shopkeeper and a buyer speaking different languages to interact with each other.

– Honorable Mention - GE Healthcare Precision Hackathon: Hospital Internal workflow Automation by reducing patient wait times.

Skills & Interests

– Programming: Python (Advanced), Pyspark, Java (Advanced), JavaScript (Intermediate), C/C++ (Intermediate)

– Web Development: HTML, CSS, NodeJS, Flask, Spring Boot

– Data Science: Data Analytics, Algorithms

– Tools: Git, AWS EC2, Step Function, Lambda, MapBox, Kafka

– Interests: [Reading Technical Blogs, Research Papers]