

# Aarti Mehra

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## EDUCATION

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Bachelor's in Computer Science and Engineering at **KCC Institute of Technology and Management**  
(Batch - 2025) (CGPA-8.1)

## WORK EXPERIENCE

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**Web Development Intern at Staqa Pvt.ltd.**

September 2023 - November 2023

- helped in footfall analysis web application used to track 1K+ daily visitor records.
- Built frontend components using HTML, CSS, and JavaScript to visualize data in cube telemetry.
- Performed data cleaning and preprocessing in Python, improving data accuracy by 20%.

## PROJECTS

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**AWS-Snapscale-project-Asynchronous Image Processing System**

[Link to Demo](#)

- Built a cloud-native AWS application using a Producer-Consumer architecture to process image resizing asynchronously, reducing request latency by 60%
- The system decouples image uploads from processing tasks, enabling 5× higher concurrent requests while maintaining server responsiveness and scalability.
- **Tools:** Docker, Flask, Python, Containerd, AWS S3 (Storage), AWS SQS (Queue), Database MySQL

**CricFolio-Cricket-Tournament-Management-System**

[Link to Demo](#)

- Developed "CricFolio," a cricket-themed web platform for fans, players, and organizers.
- Built with React.js, Tailwind CSS, and Framer Motion for a dynamic user experience.
- Features tournament and player registration, trending matches, leader-board and responsive design for ease of use.
- Enhanced user engagement by 40% and reduced bounce rates by 25%
- Live Link
- **Tools:** React.js, Tailwind CSS, JavaScript, shaden UI, FastAPI, PostgreSQL

## CERTIFICATIONS

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- **Google Data Analytics Professional Certificate, Coursera** [Certificate Link](#)
- **Introduction to SQL(using MYSQL Workbench), Simplilearn** [Certificate Link](#)

## SKILLS

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- **Languages:** Javascript, C/C++, SQL, Java(beginner), Python, HTML/CSS
- **Frameworks and Libraries:** React.js, Next.js, Node.js, Tailwind CSS, Django
- **Databases and Tools:** MYSQL, MongoDB, PostgreSQL, Git, VS Code
- **Cloud and Devops:** AWS(EC2), AWS(S3), Docker, CI/CD, Vercel, Render