

# Ashwera Hasan

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## Education

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### KJ Somaiya College of Engineering

Bachelor of Technology in Computer Engineering | **GPA: 9.97 / 10.0**

Mumbai, MH

2024 – 2028

### Mount Carmel College

Higher Secondary (ISC): 94.2% | Secondary (ICSE): 98.5%

Lucknow, UP

2012 – 2024

## Achievements

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**Datathon 24-Hr Hackathon** | First runner-up among 100+ teams for building **Decay-AI**.

**AlgoUniversity Tech Fellowship 2025** | Fellow selected among the top 0.1% of 250,000+ applicants nationwide.

**Problem Solving** | Solved **600+** algorithmic problems across CodeForces, CodeChef, Leetcode, and CSES.

**IET India Scholarship Award** | National Finalist: Top 150/44,000 applicants.

**SPIT Codebuster Contest** | Secured 4th Position in city-wide offline Competitive Programming contest.

## Projects

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**Decay-AI** – Trend Decline Prediction Platform | *Node.js, Express, PostgreSQL*

Feb 2026

- Built an analytics platform that detects early decline in social-media trends by monitoring engagement velocity, creator participation, and content saturation signals.
- Designed scoring heuristics to classify trends into green/yellow/red states based on week-over-week engagement decay and influencer exit patterns.
- Developed a recommendation engine that suggests emerging alternatives when trends approach saturation or algorithmic penalties.

**Mentora – Student Engagement Tracker** | *React, Python, OpenCV, SupaBase, Express*

Jan 2025

- Developed a full-stack monitoring system using **OpenCV** to track facial-distraction and tab-switching latency.
- Implemented real-time data synchronization with **SupaBase** to provide professors with automated student flags.
- Optimized computer vision pipelines to run efficiently on client-side browsers using JavaScript and Python hooks.

**Civil Setu (Civic Eye)** | *Node.js, YOLOv8, MongoDB, React Native*

Nov 2025

- Engineered an AI-driven grievance platform using **YOLOv8** for automated issue categorization and reporting.
- Architected a verification workflow for **Aadhar-based authentication** to ensure Sybil-resistance and prevent spam.
- Built an automated image compression engine to accommodate high-volume uploads for government-scale storage.

## Experience

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### AI Content Engineer & SEO Strategist

Nov 2019 – Present

*Freelance*

*Remote*

- Engineered automated content workflows by **fine-tuning LLMs** using brand-specific datasets to generate consistent, scalable, and on-brand copy.
- Developed and optimized **prompt engineering** frameworks to minimize model hallucination and ensure high-accuracy technical and marketing outputs.

### KJSCE CodeCell Member

Oct 2024 – Present

*K.J. Somaiya College of Engineering*

*Mumbai, MH*

- Co-leading flagship events for 500+ freshmen to foster Competitive Programming and Open Source culture.
- Assisting in problem-setting and technical testing for ICPC-style contests using C++.

## Technical Skills

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**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS

**Developer Tools:** Git, Postman, VS Code, OpenCV, SupaBase

**Frameworks:** Node.js, Express, MongoDB, React, Flask, Tailwind