Ashish Raj Singh

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Codechef   GitHub   LinkedIn

Education

Bachelor of Technology in Computer Science

ABES College of Engineering | 2025 - 2029

- CGPA: 9.0
- Relevant Coursework: Data Structures, Algorithms, Web Technologies, OS, DBMS, LLD

Skills

Languages
▷ TypeScript, Python, C++

Frontend
▷ HTML & CSS, React.js, Next.js, Redux

Backend
▷ Node.js & Express (Nest.js), Django, REST APIs, PostgreSQL & MongoDB

Tools & Others
▷ Data Structure & Algorithms, Git & GitHub, Postman, Docker

Projects

CodeCrux - Algorithm Visualizer

View Live | *GitHub Link*

- Built an Interactive React SPA for visualizing algorithms

- Implemented features to pause and change speed of visualization

HTML   Tailwind CSS   React.js

Trackd

View Live | *GitHub Link*

- Developed a website to track and rate movies

- Implemented JWT authentication, with secure token rotation

- Front end deployed on Vercel and Backend on Railway

React.js   Redux Toolkit   Redux Query   Express   Nest.js

PostgreSQL   REST APIs   Prisma

Yeast Cell Detection

Github Link

- Created a OpenCv2 based Computer Vision program to detect yeast cells in microscopic images

- It pre-process the images and applies various methods for better detection accuracy

- It can classify them in the budding stage, dead stage, and healthy stage

Python   openCV2   Matplotlib