

Saksham Kaushal

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EDUCATION

Delhi Technological University <i>B.Tech in Software Engineering, CGPA: 8.6</i>	New Delhi, India 2022 – 2026
Abhinav Public School, Pitampura <i>AISSCE/CBSE (Class XII), 91.2%</i>	New Delhi, India 2021
KIIT World School, Pitampura <i>AISSCE/CBSE (Class X), 94%</i>	New Delhi, India 2019

ACADEMIC PROJECTS

Evo2 Variant Analysis <i>React, NextJS, Modal, FastAPI</i> <ul style="list-style-type: none">A web app that leverages a state-of-the-art LLM, Evo2, to predict the pathogenicity of genetic variants.Fetches known variants from the NCBI ClinVar database and presents them in an interactive tableDisplays the reference genome sequence for selected genes, fetched from the UCSC Genome Browser API.
PDFLion <i>NextJS, React, OpenAI, PostgreSQL, NeonDB, Drizzle, ImageKit</i> <ul style="list-style-type: none">An AI tool that specialized in making notes and summaries without losing context.A robust and scalable pipeline using MistralOCR, OpenAI and GoogleGenAI and displaying the output as markdown.Proper user dashboard with credit system
CasePrep AI <i>React, NextJS, FastAPI, MongoDB, OpenAI, Genkit, Langgraph</i> <ul style="list-style-type: none">Engineered a real-time AI agent for live case interview preparation, integrating a text editor for user input and speech recognition for verbal responses.Developed functionality for users to upload case documents, enabling the AI to conduct tailored, time-bound interviews based on the provided materials.
Course Registrar <i>Electron, NodeJS, JavaScript, Burp Suite</i> <ul style="list-style-type: none">Engineered a robust automation system for DTU's course registration by reverse engineering APIs using Postman and Burp Suite.Optimized GET/POST requests and cookie management, reducing registration time to under 900ms.
Forever Ecom <i>React, MongoDB, Prisma, NodeJS, Toastify, JWT, Stripe, Razorpay, AWS</i> <ul style="list-style-type: none">Developed a scalable and responsive MERN-stack e-commerce platform with role-based access control, integrated secure payment gateways, and an intuitive UI, resulting in enhanced user engagement.

PROFESSIONAL EXPERIENCE

Operations & Automation Intern <i>Saarathi e-Rickshaw</i> <ul style="list-style-type: none">Assisted in setting up 4 new e-rickshaw dealerships by coordinating readiness, documentation, and training.Handled 200+ Vahan 4.0 registrations, ensuring RTO compliance and streamlining document verification.Built automation with Excel + Playwright, reducing data entry time by 70%.Managed invoices and payment reconciliation for dealerships and central ops.	May 2024 – August 2024 Delhi, India
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ACHIEVEMENTS & AWARDS

<ul style="list-style-type: none">Ranked 376 out of 75,000 teams in the Amazon ML Challenge 2024 with a top model F1-score of 0.302, achieving the 2nd highest score at DTU demonstrating creativity, time management, adaptability, and leadership.Completed 400+ algorithm challenges on LeetCode showcasing advanced analytical and problem-solving skills.Achieved AIR 14,567 in JEE Mains 2022 among 1,026,799 candidates (top 1.6%).Earned the KVPY Fellowship with an AIR 670 in KVPY SX 2020, securing an offer for a BS degree at IISc Bangalore.

TECHNICAL SKILLS & TOOLS

Languages: C++, JavaScript, TypeScript, Python
Databases: SQL, MongoDB, Postgres, Qdrant
Frameworks: React, NextJS, NodeJS, FastAPI
Tools: VSCode, Vim, Linux, Postman, Git, Burp Suite
Methodologies: Agile, Scrum, Test-Driven Development, RESTful API Design, Websockets

POSITIONS OF RESPONSIBILITY

Samatva DTU – LGBTQIA+ Collective, DTU <i>Content Head & Social Media Manager:</i> Led digital engagement initiatives and managed Instagram communications.
