Saksham Kaushal

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EDUCATION

Delhi Technological University — New Delhi, India
B.Tech in Software Engineering, CGPA: 8.6 — *2022 – 2026*

Abhinav Public School, Pitampura — New Delhi, India
AISSCE/CBSE (Class XII), 91.2% — *2021*

KIIT World School, Pitampura — New Delhi, India
AISSCE/CBSE (Class X), 94% — *2019*

ACADEMIC PROJECTS

Evo2 Variant Analysis | *React, NextJS, Modal, FastAPI*
- 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 table
- Displays the reference genome sequence for selected genes, fetched from the UCSC Genome Browser API.

PDFLion | *NextJS, React, OpenAI, PostgreSQL, NeonDB, Drizzle, ImageKit*
- 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 — React, NextJS, FastAPI, MongoDB, OpenAI, Genkit, Langgraph
- 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 | *Electron, NodeJS, JavaScript, Burp Suite*
- 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 | *React, MongoDB, Prisma, NodeJS, Toastify, JWT, Stripe, Razorpay, AWS*
- 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 — May 2024 – August 2024
Saarthi e-Rickshaw — *Delhi, India*
- 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.

ACHIEVEMENTS & AWARDS

* 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
Content Head & Social Media Manager: Led digital engagement initiatives and managed Instagram communications.