

Kartik Aslia

Gurgaon, Haryana

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Academic Background

Year	Degree/Certificate	Institute	CPI/%
2026 (Expected)	B.E., Computer Science	Chandigarh University, Punjab	7.63/10

Skills

- **Languages:** C++, JavaScript, TypeScript, SQL, Python.
- **Technologies:** React JS, Tailwind, Bcrypt, PostgreSQL, MongoDB, Prisma, Websockets, Git, TensorFlow, Deep Learning.
- **Courses:** Cohort 2.0 0-100 100xDevs, CTO Career Guide, DeepLearning.AI Supervised ML, Intermediate Python, OOP, AI Foundations: Machine Learning, DL Optimization, RL Foundations, Training Neural Networks, and Data-Driven Product Management.

Work Experience

Software Developer Intern

(Jun 2024 – Nov 2024)

Kishvi Studio Digital Agency

- Designed and implemented a scalable transaction system using **WebSockets** and **Express servers** to efficiently queue and process transactions, resulting in a **22% increase in transaction**, enabling **transactions efficiently**.
- Developed and deployed a **real-time broadcast server** to enhance large-scale data dissemination across multiple users, improving **internal communication efficiency**, thereby reducing **delays** and **system latency** in critical operations.
- Built a **real-time telemetry system** for **actionable insights** and faster **debugging workflows**.
- Implemented a **microservices API Gateway**, optimizing throughput by **34%** and reducing **computation by 18%**.
- Created an **AES-256 encryption portal** with **advanced key management** and **seamless IT integration**.

Machine Learning Engineer Intern

(Aug 2023 – Jan 2024)

WanderMore AI

- **Fine-tuned** a **Large Language Model (LLM)** using **Retrieval-Augmented Generation (RAG)** and **Self-RAG**, resulting in a **35% increase in itinerary generation accuracy**.
- Established a **Serper-powered pipeline**, connecting the LLM to the internet, enhancing **search context by 47%**.
- Developed and implemented a **token cost logger feature**, improving **cost-tracking accuracy by 30%**.
- Engineered **concise prompt techniques** to ensure chat responses were **relevant and concise**, increasing **user engagement by 20%**.

Projects

My Encryption App [Live](#) [🔗](#)

Nov 24 [GitHub](#) [🔗](#)

- Designed a secure **message encryption and decryption** web app with **React** and **Node.js**, featuring **JWT-based authentication** for seamless user access.
- Implemented **QR code generation** for encrypted data and **multiple encryption algorithms** like **AES**, ensuring **robust security** and usability.

Paytm Clone [Live](#) [🔗](#)

Oct 24 [GitHub](#) [🔗](#)

- Developed a full-stack **Paytm clone** enabling **secure user authentication**, **transaction management**, and **account monitoring** using **React.js** and **Express.js**.
- Designed and implemented features such as **balance checks**, **fund transfers**, and **transaction histories**, utilizing **MongoDB** and **Tailwind CSS** for a seamless user experience.

Spacecraft Trajectory Prediction Model [Live](#) [🔗](#)

Sep 24 [GitHub](#) [🔗](#)

- Developed a **machine learning model** using **Python** and **TensorFlow** to **predict spacecraft trajectories** based on diverse **flight parameters**.
- Visualized predictive insights and results with **Matplotlib** while applying **advanced data analysis techniques** to optimize **model accuracy**.

Achievements

- Secured 2nd place at TON BootCamp, winning **1500 USD in USDT**.
- Achieved **All India Rank 5** at **IDEATHON-2023**, competing against **500+ teams**.
- Ranked among the **Top 30 Teams** for **Smart India Hackathon (SIH)**.
- Finalist at **National Students' Space Challenge**, IIT Kharagpur.
- Finalist at **BaseIndia**, competing against **200+ teams**.
- **LinkedIn Ambassador (2024-2025)**.