

Kaustubh Hari Sethi

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Professional Experience

Kotronix Technologies, Self Employed, On-site, February 2025- Present

- Led service and maintenance of 21 DC fast chargers, achieving ~87% cost savings compared to replacement for Lucknow City Transport Service Ltd. (LCTSL).
 - Restored non-functional chargers, optimizing depot operations where idle EV buses were previously unusable.
 - Enabled full utilization of EV bus fleets by reviving critical charging infrastructure and preventing service downtime.
 - Collaborated with government teams to improve maintenance workflows and support the growth of sustainable e-mobility.
- Skills:** High-voltage DC systems, electrical diagnostics, preventive maintenance, troubleshooting, safety compliance, government project coordination, business development

ISRO (Indian Space Research Organisation), Project Intern, On-site, 7 months, June 2024 - December 2024

- Developed an **AI-powered disaster monitoring platform** on **NRSC, ISRO Delhi servers**, operating **24/7**.
 - Built an **automated data pipeline** using **NLP and AI** to extract disaster type, sentiment, and location from **news feeds**, improving relevance **5X** over keyword-based methods.
 - Designed a **PostgreSQL database** and **React.js dashboard** with advanced filtering for **real-time and historical disaster analysis**.
 - Conducted **data analysis and predictive analytics** for disaster trends, integrating **Python, Node.js, and AI models** for real-time insights.
 - Achieved **90% accuracy for sentiment, 98% for filtering, 96% for location, and 97% for disaster type** extraction.
 - **Significantly improved data-driven disaster response workflows**.
 - A research paper based on this work is under journal review.
- Skills:** AI/ML, Data Analysis, Predictive Analytics, Python, PostgreSQL, Node.js, React.js, Data Visualization

CWE (Catalyst for Women Entrepreneurship) | Intern | Remote | 1 month | May 2024 – June 2024

- Tailored a custom data automation tool that streamlined admin database cleaning, reducing 5+ hours of manual work to seconds
- Skills:** Data Analytics, Python, Mailchimp, Data Cleaning, Automation

Rancho Labs, AI/ML Intern, Remote, 4 months, 15 June 2023 - 15 October 2023

- **Facilitated learning** by preparing **educational materials and projects** on machine learning concepts.
 - **Created practical projects** demonstrating machine learning algorithms and concepts.
- Skills:** Python, ML Algorithms, CNN

Leoforce | Intern | Remote | 2 months | 25 May 2023 - 25 July 2023

- **Designed and implemented** interactive **playgrounds and dashboards** for Quality Assurance testing of AI products.
 - **Collaborated with the Data Science team** to develop and test AI models, improving **testing efficiency**.
- Skills:** JavaScript, REST API, Kubernetes, GitLab

Projects

- **Offensive Check Model** – An NLP-based AI model that predicts whether input text is offensive using various machine learning algorithms. Built with Streamlit for the UI and deployed online with 86% accuracy. [Live Demo](#)
- **Event Hub** – A Kotlin app using Jetpack Compose that enables college clubs to publish and view upcoming events. Implemented navigation, splash screens, and dynamic layouts. [GitHub Repository](#)
- **Escalation** – A React.js project demonstrating a platform for sustainable brands and businesses to explore innovative marketing solutions. Designed and coded a homepage and dashboard. [Homepage](#) | [Dashboard Code](#)

Education

The NorthCap University, B. Tech Computer Science (AI/ML), 2021 – 2025

Gurugram, Haryana

- **CGPA:** 8.94
- Received **10-grade points** in **C, Java, and Python** programming subjects.
- **Peer Tutor** for **Python and Cyber Security**.
- Published a **patent** with batchmates on “**Artificial Intelligence-Based Virtual Reality Therapy System**”.
- Awarded a **25% merit scholarship** every semester
- **Technical Team Member, Google Developer Student Clubs (GDSC)** – Led technical workshops and assisted in organizing hackathons.

Sardar Patel Vidyalaya | High School | 2007 – 2021

New Delhi

- Studied **Python and MySQL**, building a strong foundation in **computer science**.
- **Grade 12 Percentage:** 90.8%

Industry Knowledge & Skills

- **Development:** Android Development, Web (React.js, Flask, CSS), Backend (MySQL, Python), Cloud (Google Cloud Platform)
- **AI/ML:** Data Cleaning, Analytics, Visualization, Deep Learning, NLP, Computer Vision
- **Programming:** Python, Java, Kotlin, C, JavaScript, Dart