

# Kaustubh Hari Sethi

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

## Education

### The NorthCap University, B. Tech Computer Science (AI/ML), 2021 – 2025 - Gurugram, Haryana, India

- CGPA: 8.94/10 (3.58/4)
- Received **10-grade points** in **C, Java, and Python** programming subjects.
- **Peer Tutor for Python and Cyber Security**.
- Filed 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 | 2019 – 2021 - New Delhi, India

- Studied **Python and MySQL**, building a strong foundation in **computer science**.
- Class Representative (Grades 9–12), managing class communication and coordination.
- Completed internship at Edunext Technologies Pvt. Ltd. (2019)
- **Grade 12 Percentage:** 90.8%

## Professional Experience

### **Kotronix Technologies**, Sole Proprietor, On-site, February 2025- Present - New Delhi, India

- Led service and maintenance of 24 DC fast charger guns, **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 - New Delhi, India

- Developed an **AI-powered disaster monitoring platform** on **NRSC, ISRO Delhi servers**, operating **24/7**.
  - **Copyright granted** by the Copyright Office of India for “*Automated Disaster News Alert System*” (2024)
  - 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 **90.90% accuracy for sentiment, 91.52% for filtering, 92.71% for location**, and **94.54% 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 - Bangalore, India

- 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**, Python and AI Intern, Remote, 4 months, 15 June 2023 - 15 October 2023 - New Delhi, India

- **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 - Raleigh, NC, USA

- **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](#)
- **Scholar Stack** – Platform where students can share quality notes and receive community service hours based on originality, quality, and effort. [Website](#)
- **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](#)

## 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