MANINI CHHABRA

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TECHNICAL SKILLS

Languages: Java, HTML, CSS, JavaScript, SQL, React
Certifications: HTML, CSS and JavaScript for Web Developers by John Hopkins University, Journey to Cloud: Envisioning your Solution by IBM, Geo-data Processing using Python conducted by IIRS (ISRO), MERN Full Stack Internship Program - ETHNUS

EDUCATION

Vellore Institute of Technology, Bhopal 2022 - 2026 *Bachelor of Technology*
Major in Computer Science and Engineering
Specialization in Cloud Computing and Automation | CGPA – 8.1

Sant Haridas Senior Secondary School, Delhi May 2021 *Senior Secondary Examination* | Percentage – 82.2

Pinewood School, Saharanpur July 2019 *Matriculation* | Percentage – 88.2

UNIVERSITY PROJECTS

EVENT MANAGEMENT PORTAL Nov 2023

- Designed and developed a comprehensive event management platform, featuring a real-time e-ticketing system that streamlined registration processes for events.
- Improved registration efficiency, allowing event organizers to manage participant data more effectively and reduce administrative workload.

EMPOWERING GERIATRIC WELLNESS Feb 2024 – April 2024

- Developed a web page focused on elderly health and well-being.
- Integrated key features such as health tips, exercise routines, and mental wellness resources for senior citizens. • Utilized HTML, CSS, and JavaScript for front-end development, focusing on elderly-friendly design principles.

ACTIVITIES

MAJOR LEAGUE HACKING (MLH) Events Attendee *Feb 2024*

- Participated in 2 MLH hackathons and workshops focused on AI/ML
- Enhanced knowledge of Data for Machine Learning through engagement with industry professionals • Fostered a deeper understanding of the field through peer-to-peer learning with 20+ peers

RESEARCH AND PUBLICATIONS

INTERNATIONAL SCIENTIFIC RESEARCH CONGRESS, ADANA, TURKEY (virtual) *Dec 2024* • Abstract selected for presentation at an esteemed international research congress.

- Presented research paper titled **"AI-Driven Resilience and Privacy Preservation in Cloud IoT for Energy Modeling"** alongside teammates.
- Engaged in discussions on AI-driven solutions for cloud IoT security and energy modeling.
- Gained valuable experience in international research collaboration and presentation.

RESEARCH PAPER: Navigating the Fog: AI-Driven Resilience and Privacy Preservation in Cloud IoT Environments • Co-authored with my teammates and selected for publication as a book chapter.

- Accepted for inclusion in the book *"Intrusion Detection Paradigm for Cloud-IoT Environments"*, published by **Scrivener Publishing (Wiley)**.
- Explores AI-driven strategies for threat detection, privacy preservation, and resilience in Cloud-IoT systems. • Scheduled for publication in August 2025, indexed in Scopus and offered to Web of Science.

VOLUNTEER EXPERIENCE

Citizen Scientist, Globe Observer App

- Contributed 4 cloud data to support NASA satellite data comparison