

Hiren Gupta

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EDUCATION

Jaypee Institute of Information Technology, Noida

Bachelor of Technology, Electronics and Communication Engineering

Aug' 19 – May '23

7.2/10.0 GPA

Work Experience

Thales Group: Software Developer Intern

Feb '23 – Aug'23

- Contributed to **Thales Advanced Over-the-Air** (AOTA) Solution for Mobile Network Operators (MNOs).
- Successfully handled the customization of existing **5G services** based on specific requests from MNOs.
- Pursued learning and implementing **unit testing**, creating **JUnit test cases** to ensure the product's reliability.

Hloov: Web Development Intern

June '22 – Aug'22

- Devised and implemented creative solutions as a member of Hloov's team and proficiently utilized **HTML, CSS, and JavaScript** to design five visually captivating front-end websites.
- Advancing expertise in **ReactJs** to develop impressive website elements.

ManpraX Software LLP: ODOO Developer Intern

June '22 – July '22

- Proficient in ODOO development and designed three robust modules, contributing to a 25% increase in application efficiency.
- Customized ODOO functionalities to meet specific business requirements, leading to a 20% increase in client satisfaction.

Center for Human Security Studies: Technical Research Intern in Artificial Intelligence

Feb '21 – Apr '21

- Conducted extensive research on **AI applications in the security domain**.
- Developed a theoretical **Smart Policing System** that leverages AI to provide innovative security solutions.

Skills

Web Development Tools: HTML, CSS, JavaScript, React.JS

Data Structures and Algorithm

Programming Languages: C++, Python, Java

Machine Learning Libraries: Pandas, Numpy, Keras, OpenCV

API Testing Tools: SoapUI, Postman

Frameworks: SpringBoot, Hibernate, JUnit

Devops: Jenkins

Projects

Advanced Over-The-Air Solution [Thales]

Tech Stack – Java

- Customized 5G services** tailored to Mobile Network Operator (MNO) requests, resulting in a 20% increase in service efficiency.
- Gained in-depth insights into the product's code flow through **Spring Boot** and developed Comprehensive **test cases for 5G services using JUnit**, contributing to a 30% reduction in bug occurrences.

Real Time Face Mask Detector

Tech Stack – Python

- Designed a real-time system for mask detection on webcam feeds, showcasing a 95% accuracy rate in real-world scenarios.
- Utilized **Keras and OpenCV** machine learning libraries to train the face mask detector model, achieving a 20% faster processing time compared to existing solutions

Tic Tac Toe

Tech Stack – Python

- Demonstrated **object-oriented programming skills** by utilizing classes to **encapsulate and abstract** the board and executed a function using **higher-ordered functions** to determine win states effectively.
- Presented the project on [Stanford Code in Place 2021](#) showcase platform.

Achievements

Successfully Completed Hacktoberfest 2020 challenge.

Project featured among the top 1600 candidates worldwide in Stanford Code in Place 2021.

Achieved a commendable rank of 5478 in Google Kickstart Round B 2021.

Qualified For Google Code Jam 2021 Round 1.

Selected as one of the top 200 students for the Publicis Sapient Jumpstart event.