

# HRITIK PANKAJ

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## EDUCATION

**Indian Institute of Information Technology Guwahati,**

Expected 2025

**Btech in computer science 4th year :**

CPI till 7th Semester: 6.03/10

**Relevant Coursework:** DBMS,Artificial Intelligence,Computer Security, OOPS,Cloud Computing,Software Engineering and Machine learning.

## SKILLS

<b>Technical Skills</b>	Node.js,MongoDb,SQL,React,C++,Python,Type Script,java, Git/Gitub,firebase and Flutter.
<b>Soft Skills</b>	Advanced communication

## EXPERIENCE

**Research Analyst Intern**

Externship Start Date: 2024-07-08 End Date: 2024-08-05

NRG EXTERN

*Remote Internship*

- Executed in-depth examination of systemic biases inherent in COMPAS and similar justice algorithms; highlighted key issues affecting fairness for defendants based on findings from a thorough review of 15 diverse cases
- Conducted comprehensive research methodologies, including literature reviews and case analyses of 15 cases; identified critical systemic flaws in algorithmic bias that led to unjust sentencing outcomes in predictive policing frameworks.
- Identified critical sources of potential biased decisions impacting community relations while reviewing over a dozen cases, providing evidence-based solutions that established guidelines for future ethical AI usage within organizations.

## PROJECTS

**AI Chat bot:** Developed an AI chatbot using the MERN stack, integrating the ChatGPT API for enhanced interaction. Improved user engagement with a responsive design and a seamlessly scalable backend structure.

**NFT Market Place:** Spearheaded the design and development of an advanced NFT marketplace using Flutter and Ganache, enabling seamless trading of digital assets through a comprehensive smart contract system that managed transactions.[\(Github\)](#)

**Campus Sync:** Spearheaded secure authentication implementation utilizing JWT Tokens for student data protection within Campus Sync platform; ensured compliance with best practices resulting in zero reported security issues during testing phases. [\(Try it here\)](#)

**Spotify clone App:** Developed a Spotify clone app using Flutter and Firebase, featuring music playback, user authentication, and real-time data synchronization. Demonstrated proficiency in mobile app development and cloud-based backend services.[\(Github\)](#)

## ACHIEVEMENT

- **Amazon ML Summer School:** Completed Amazon ML Summer School, mastering supervised and unsupervised learning techniques by implementing machine learning algorithms that processed over 30 diverse datasets to derive actionable insights.[\(certificate\)](#)
- **Hacktoberfest 2022:** Completed contributions to four distinct open-source initiatives during the month-long event of Hacktoberfest 2022; strengthened understanding of continuous integration practices alongside advanced version control techniques using Git/GitHub tools.
- **GHW Social Hackathon:** Collaborated with a team of five to develop an AI-driven solution, addressing two significant community challenges.
- **HackFest Delhi/NCR Hackathon(GeeksforGeeks):** Actively participated and collaborated in solving real-world problems at a prestigious hackathon, demonstrating innovation, teamwork, and technical proficiency.[\(certificate\)](#)