

# Devansh Rastogi

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## EDUCATION

<b>Indian Institute of Technology Madras</b> <i>Bachelor of Science in Data Science and Applications</i>	Chennai, Tamil Nadu Jan. 2024 – Dec. 2027
<b>Guru Gobind Singh Indraprastha University</b> <i>Bachelor of Technology in Computer Science, Minor in AI &amp; ML</i>	Dwarka, Delhi Sep. 2021 – July 2025

## EXPERIENCE

<b>Data Science Intern</b> <i>IBM SkillsBuild — CSRBOX</i> <ul style="list-style-type: none"><li>Acquired sound technical knowledge of data cleaning and preparation, statistical analysis and data visualization</li><li>Tested this knowledge on the analysis of a real-world project through a case-study</li><li>Learned to interpret the results of the analysis and presented them effectively</li></ul>	Feb. 2024 – Mar. 2024 <i>Remote</i>
<b>Blockchain Developer Apprenticeship</b> <i>IBC Media</i> <ul style="list-style-type: none"><li>Acquired good working knowledge of the Rust programming language and the Substrate framework</li><li>Developed a blockchain-based decentralized application (dApp) on Polkadot</li><li>Keenly absorbed smart contract intricacies and consensus mechanisms</li></ul>	Aug. 2023 – Oct. 2023 <i>Remote</i>
<b>Liaison Officer</b> <i>G20 Conference on Crime and Security in the age of NFTs, AI &amp; Metaverse</i> <ul style="list-style-type: none"><li>Facilitated collaboration among G20 nations' representatives</li><li>Ensured seamless communication on emerging NFT, AI, and Metaverse challenges</li><li>Fostered collective strategies for global crime and security</li></ul>	July 2023 Gurugram, Haryana

## PROJECTS

<b>Hotel Reservation System</b>   <i>Ballerina, Choreo, React.js</i> <ul style="list-style-type: none"><li>Implemented an API service using Ballerina programming language to demo a simple hotel reservation use case</li><li>Developed front-end using React.js and built this project as a part of a buildathon conducted at my college</li><li>Acquired sound technical knowledge about Ballerina and Choreo concepts</li><li>Deployed the fully working Ballerina application on Azure cloud using Choreo</li></ul>	Feb. 2024
<b>Classify Song Genres from Audio Data</b>   <i>Python, NumPy</i> <ul style="list-style-type: none"><li>Applied machine learning algorithms to classify songs into genres</li><li>Prepared the data set to apply principal component analysis (PCA)</li><li>Trained a decision tree to classify the genre</li><li>Used cross-validation to evaluate the models</li></ul>	Jan. 2024 – Feb. 2024
<b>Memorize!</b>   <i>Swift, SwiftUI</i> <ul style="list-style-type: none"><li>A tile-based memory challenge made using Swift and SwiftUI in Xcode</li><li>User-selectable themes for a personalized gaming adventure</li><li>Scores determined using accuracy and completion-time parameters</li></ul>	Nov. 2023 – Dec. 2023

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, Swift, SQL, Latex, Arduino, Raspberry Pi  
**Frameworks:** Docker, SwiftUI  
**Developer Tools:** Git/GitHub, Docker/DockerHub, VS Code, Xcode, JupyterLab, RStudio, TeXShop

## EXTRA-CURRICULAR ACTIVITIES

**Sports:** Engaged in active participation and proficient organization of basketball and cricket events  
**YouTube:** Passionate YouTube content creator with 100+ subscribers, featuring technical and diverse content  
**Volunteering:** Engaged in regular, independent volunteering activities involving the preparation and distribution of freshly cooked meals to individuals in need