

Yash Raj

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EDUCATION

- **Indian Institute of Technology, Pantnagar** Patna, India
Bachelor of Technology - Electrical & Electronics Engineering; CPI: 7.72 Nov 2020 - Present
- **Krishna Public School, Bihta** Patna, India
12th(CBSE); (90.8%) 2017 - 2019
(Physics, Chemistry, Maths)
- **D.A.V Public School, T.Nagar** Patna, India
10th(CBSE); (CGPA: 9.8) 2017

WORK EXPERIENCE

- **Full Stack Developer Intern - Grail/Insynk Studios** Remote
(Full-time) April 2023 - Present
 - **Polygon ID:** Conducted research on the entire architecture of Polygon ID.
 - **Chainlink and Oracles:** Implemented a decentralized method for transferring tokens to users.
 - **Grail:** Designed the complete on-chain issuance architecture for credentials to achieve full decentralization with Grail.

PROJECTS

- **NFT Marketplace:**
 - * Developed a fully functional NFT marketplace using smart contracts and ReactJS.
 - * Created a user-friendly platform for seamless buying, selling, and trading of digital assets on the blockchain.
 - * Utilized the ERC721 token format and deployed the contract on the Polygon Network.
 - * **Tech: Solidity, Javascript, ReactJS, Bootstrap, EthersJS** (April 2023)
- **CloudBook:**
 - * Made a web app in which users can store their personal notes secured.
 - * Added user authentication and email verification through OTP feature.
 - * Implemented industry-standard encryption methods, including salting and hashing, to protect sensitive user data.
 - * **Tech: ReactJS, ExpressJS, MongoDB, NodeJS, Multer, bcryptJS, Bootstrap** (Jan 2023)
- **Voice Controlled Home Automation System:**
 - * Built a voice-activated home automation system that could respond to human commands.
 - * Using Bluetooth and an android app, the system connects to the user's android device.
 - * The application converts audio signals into text strings, transmits them to the arduino and reacts to them.
 - * **Tech: Arduino, Python, Android Programming** (Nov 2022)
- **Virtual Draw Application:**
 - * Developed a desktop program that allows users to draw by waving colourful markers in front of the camera.
 - * With the NumPy library the program converts the input frames into operable Numerical Matrices.
 - * Using OpenCv application access the video camera and track the colored marker.
 - * **Tech: Python, OpenCv** (June 2022)

SKILLS SUMMARY

- **Languages:** C++, C, Python, HTML, CSS, JavaScript, Solidity, Go
- **Frameworks:** NodeJS, ReactJS, NextJS
- **Tools:** GIT, MySQL, Chainlink Functions, Hardhat, Metamask
- **Platforms:** Linux, Web3, Windows, Arduino
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking

ACHIEVEMENTS

- Achieved a rank of 482 out of 15000+ participants in Code Forces Round 794(Div 2).
- Secured rank 894 and 1341 Globally out of 12k+ participants in round B and round C of Google Kick Start 2022.
- **Specialist on CodeForces with max rating of 1570**, Solved 800+ problems on the platform.
- **5 star (2064 Max Rating)** with more than 200 problems solved on CodeChef.
- Secured **AIR 5473 in JEE Advanced, 2020** out of over 1,60,000 registered candidates in examination.
- Secured **AIR 92 out of 73,000+ candidates in WBJEE, 2020.**

VOLUNTEER EXPERIENCE

- **Coordinator of Media & Public Relations in Infinito'22** Patna, India
Conducted an offline and online sports festival in which more than 50 colleges participated. (Sep'22 - Nov'22)
- **Technical Team member in Team Robocon, IIT Patna** Patna, India
An active member of the team that got a perfect 100 score in round 1 of ABU Robocon 2020. (Dec'20 - Mar'23)