

AKASH DEWANGAN

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Education

International Institute of Information Technology (IIIT) Naya Raipur

December 2021–June 2025

B.Tech. in Electronics and Communication Engineering (ECE)

Experience

Imocha | *Problem Setter Intern*

July 2023 - October 2023

- Formulated 20+ problems centered on Data Structures and Algorithms, elevating the quality of assessment content.
- Executed thorough testing on 20+ solutions, yielding a significant enhancement in assessment accuracy.

Projects

NFT Marketplace | *Full Stack*



- Built a responsive NFT Marketplace with React, Node, Web3, and PostgreSQL, empowering seamless transactions for buying, selling, and minting NFTs.
- Integrated DApp features and smart contracts to ensure secure and efficient transactions, boosting platform reliability.
- Enhanced UI/UX and backend efficiency, driving a 20% increase in transaction speed and 15% improvement in mobile accessibility.

E-Comm | *Frontend*



- Developed responsive web, utilizing ReactJS and JavaScript to create a responsive and user-friendly shopping experience.
- Implemented React components, structuring the website's interface into reusable modules for product listings, shopping cart; increased development efficiency and reduced page load times.
- State management is leveraged to handle user interactions, such as adding items to the cart and updating quantities.

Virtual Mouse | *Machine Learning* | *MediaPipe*



- Engineered an advanced virtual mouse system leveraging a CNN to interpret hand gestures through webcam input, achieving a 95% accuracy rate in gesture recognition and enhancing user interaction.
- Analyzed user interactions across 3+ distinct environments, leading to the identification of key performance gaps.

Skills

Languages: C++/C, JavaScript, Python

Development: ReactJS, SQL, MongoDB, MySQL, HTML, CSS, Bootstrap, Node.js (Basic)

Developer Tools: Git, GitHub, Visual Studio Code, 123D Design, MATLAB, Microsoft Excel

Achievements

- Selected in **AMAZON ML Summer School 2024**.
- Secured **338th** rank globally in **Round 2 - TCS Codevita-XI** out of **6.1k+** participants.
- Produced **1819th** rank globally in **Round 1 - TCS Codevita-XI** out of **136k+** participants.
- Attained **2nd** rank in **Inter-College Coding Competition (Technovate-V - Annual College Fest)** among **30+** Teams.
- Codeforces -**1360+** , CodeChef -**3 Star(Rating: 1740+)** under Top 10k Indians.
- LeetCode - **Knight(1937+)** , GFG - (**Score: 2141**) in **2nd** out of total Institute rank.
- Earned **3rd** rank globally in **Sunshine Codefest organized by Code 360** .
- Achieved **14th** rank globally in **Code 360 Contest 50** out of **2.7k+** participants.
- Positioned **28th** globally in **GFG Weekly 136** among **2k+** Contestant.
- Ended with **60th** rank globally in **Starters 108 Division 3** out of **10k+** participants.
- Top **30** in **Stock Trading** via Stockgro.

Relevant Coursework

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|---------------------|-----------------------|--------------------------|----------------------|
| • Data Structures | • Database Management | • Operating System | • OOPs |
| • Computer Networks | • Machine Learning | • Optimisation Algorithm | • Internet of Things |

Coding Profiles & Certificates

- Codeforces Codechef Leetcode GFG Code 360 HackerRank
- Certificates