

Krishan Kumar Jha

+91 8287694594 krishanjha80@gmail.com linkedin.com/in/krishan-jha github.com/jhakrishan20

EDUCATION

Galgotias University

Bachelor of Technology, Computer Science
CGPA: 8.52

Greater Noida, India

November 2022 - May 2026

TECHNICAL SKILLS

Programming Languages: Java-script, Java, C++

Frameworks/Libraries: Node, Express, React, Vite, Mongoose, B-Crypt, Tensorflow.js, ML5.js etc

Databases: MongoDB, MySQL

Tools: GitHub, Git, Render, AWS

Soft Skills: Research, Oratory, Communication, Leadership, Management, Creativity

EXPERIENCE

Snow Script Winter of Code (GDSC-IGTUW) [Git-Hub](#)

January - Feb 2024

Contributor : Machine Learning for Web, MERN stack

- Enhanced the User Interface (UI) projects in the program by applying HTML, CSS, and JavaScript along with frameworks like React and Bootstrap.
- Performed a comprehensive codebase analysis to identify and resolve UI inconsistencies, syntax errors, and system bugs using VS Code, Git, Chrome Dev-Tools.
- Developed "ATTENDEX", a WEB-Machine Learning based employee attendance management system leveraging ML5.js and TensorFlow.js for face recognition, integrated with Node.js for the backend and MongoDB for database management.

Summer of Bitcoin

Feb - May 2024

Contributor : Bitcoin Blockchain

- Group discussion about open-source Bitcoin protocols, enhancing security and scalability for the network.
- Researched to optimize Bitcoin's layer-2 solutions for faster, cost-effective transactions.
- Researched and implemented privacy-preserving techniques, SHA-512 and SHA-256 in Bitcoin transactions to ensure user data protection.

Freelance Work – Your Auto Affiliate [Git-Hub](#) *ongoing

Oct - 2024

Freelancer : Frontend – Backend – Database - Deployment

- Integrated an email notification system for various user actions (Forgot Password, Welcome Mail, Free Trial Mail, Feature Updates) using Node-mailer.
- Developed structured email templates using Handlebars for personalized and automated communication.
- Redesigned the Channel List UI and added partner connectors on the Home Page using React and Vite.
- Implemented UPI Payment Gateway for seamless transactions, with the ability to manage subscriptions and payment updates.
- Improved the Analytics Dashboard using Moment.js and MongoDB to provide detailed insights into user subscriptions and engagement.

PROJECTS

Bit-Pay, Generalising Bitcoin for small payments. [Git-Hub](#)

March -2024

Hackathon Project Lead, Secured 5th Position

Bitcoin, Blockchain Project

- Developed a microtransaction system utilizing Bitcoin's lightning network and Node.js for small-scale payments.
- Integrated secure, low-fee Bitcoin payments using Node.js with blockchain library bitcoin.js-lib for daily transactions on web platforms.
- Enabled real-time transaction processing with minimal latency by leveraging blockchain protocols and event-driven architecture in Node.js, enhancing accessibility for small businesses.

VAAUY, Vigilant Air Assessment and Yeilding Unit. [Git-Hub](#) *ongoing

August 2024

Hackathon Project Lead, Secured 1st Position

Aviation + Hardware + IOT + ML

Project

- Developed a UAV-based air monitoring system with IOT sensors and MERN-stack interface for real-time location specific AQI analysis in Delhi.
- Enhancing air quality monitoring through sustainable advanced technology like Computer Vision, LoRaWAN, Cloud Storage, Mobile App, REST API and Deep learning(BPNN-CNN).
- Implemented a Ground Control Station (GCS) using Arduino-IoT, ArduPilot and Node.js for remote UAV control, real-time environmental data reception, and dashboard visualization.
- Led research and development on aerial data acquisition and analysis, delivering health-focused high AQI alerts for improved decision-making.

ACHIVEMENTS

- 1st Rank at Uttar Pradesh International Trade Show (UPITS) Hackathon 2024, Gr Noida.
- 5th Rank at "Hackshetra" hackathon at NIT Kurukshetra among more than 600 participants.
- Pre-qualified Smart India Hackathon (SIH) 2023 and 2024.
- Finalist DEXTERIX@2024 among 3000 participants. (College hackathon).