

Aryan Kashyap

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Education

Indian Institute of Technology, Mandi

Expected June 2026

B.Tech. in Bio Engineering

SGPA: 8.41/10

CGPA: 7.26/10

- **Relevant Coursework:** Data Structures and Algorithms, Probability Statistics, Machine Learning

Anugrah Narayan College, Patna

March, 2021

Senior Secondary BSEB board

Percentage: 88.4

Projects

Stock Dashboard | *React.js, Tailwind CSS, Flask, TensorFlow, PostgreSQL, MongoDB*

- A web app dashboard for live stock market data visualization, personalized stock tracking, and predictive analytics.
- Frontend developed using React.js, Tailwind CSS and lightweight-charts for a seamless and dynamic user interface.
- Developed a Flask-based RESTful API for latest stock data retrieval, trend prediction, and database operations.
- Implemented a stacked-LSTM for price prediction and FinBERT NLP model for news sentiment analysis of stocks.
- Utilized MongoDB for user data storage, PostgreSQL for stock data, and JWT and sessions for user authentication.

Real Time Collaborative Code Editor | *HTML, CSS, Javascript, Node.js, Express.js, MongoDB, Firebase*

- Developed a real-time collaborative code editor using HTML, CSS, JavaScript, Node.js, and Express.js, allowing multiple users to code simultaneously with live updates.
- Utilized MongoDB for efficient and scalable data storage, ensuring seamless management of user data and code snippets.
- Implemented Firebase for real-time chat functionality and tracking active users, enhancing communication and collaboration among participants.
- Enabled features such as user authentication, room creation, and unique room IDs for organized and secure coding sessions.

Self Sustainable Fully Automated Aquarium Biotope

- Awarded an A (10.0) grade for this team project, which involved creating a fully automated, self-sustaining aquarium. Utilized sensors and microcontrollers to replicate natural behaviors and environments ideal for fish, ensuring optimal conditions with minimal human intervention.

Skills

Programming Languages: Python, C++, JavaScript, HTML, CSS, Perl.

Frameworks & Tools: Node.js, Express.js, React.js, Tailwind CSS, Tensorflow, Keras, OpenCV, Firebase, Arduino.

Databases: MongoDB

Softwares: Adobe Illustrator, Adobe Photoshop, Figma, Blender, MATLAB, CAD.

Positions of Responsibility

- Core Team Member of **Designauts**: IIT Mandi's Designing club.
- Core Team Member of **ArtGeeks**: IIT Mandi's Art club.
- Core Team Member of **Xpecto'23**: IIT Mandi's Inter College Technical Fest.
- Core Team Member of **Exodia'23**: IIT Mandi's Inter College Cultural Fest.
- Core Team Member of **Miraz'24**: IIT Mandi's Inter College Sports, Cultural, Technical Fest.