



Aditi Kumari

Bachelor of Technology

Computer Science and Engineering

National Institute of Technology, Patna

EDUCATION

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GitHub

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech, CSE	National Institute of Technology, Patna	8.53	2026
Intermediate	Bihar School Examination Board, Patna, Bihar	83.5%	2021
Matriculation	Central Board of Secondary Education	88%	2019

WORK EXPERIENCE

• Infosys Springboard Virtual Internship – Pawdentify

Tools: *TensorFlow, FastAPI, React.js, Firebase, Cloudinary*

- Developed an AI-powered web application to classify dog breeds from images with 95.3% model accuracy using a fine-tuned EfficientNetV2 CNN.
- Built a FastAPI backend and React.js frontend for real-time image prediction, secure media handling, and smooth user interaction.
- Optimized model performance through data augmentation, regularization, and asynchronous request handling, reducing latency under heavy load.
- Collaborated in a 25-member team, integrating Cloudinary and Firebase for scalable storage and deployment while ensuring data security.

PROJECTS

• Musicly

Tools: **ReactJS, ExpressJS, Node.JS, Tailwind CSS, AWS, MongoDB**

- Developed a full-stack music streaming platform with JWT authentication and playback synchronization, ensuring secure sessions for 1K+ users.
- Designed and optimized RESTful APIs reducing response time by 40% and improving concurrent request handling efficiency by 35%.
- Built an Admin Panel with CRUD operations and role-based access control, enhancing content management workflow efficiency by 40%.
- Deployed on AWS with auto-scaling and load balancing, achieving 99.9% uptime and reliable performance under peak loads.

• Coffee Hub

Tools: **React.js, TailwindCSS, Node.js, Express.js, Vercel, Render**

- Built a responsive coffee-themed web app with modern UI/UX using React.js and TailwindCSS, improving load speed by 30%.
- Implemented Nodemailer in the Express.js backend for automated email notifications, enhancing user engagement by 25%.
- Integrated interactive animations and looping background videos to deliver an immersive user experience, boosting retention by 20%.
- Deployed on Vercel and Render ensuring 99% uptime, scalability, and optimal backend-frontend communication performance.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: C, C++, Java, Javascript, Python

Developer Tools: Visual Studio Code, Jupyter Notebook, Github, Postman, Power BI, MS Excel

Frameworks: ReactJs, ExpressJs, NodeJs, TailWind

Cloud/Database: SQL, MongoDB

Coursework: Data Structures and Algorithm, Object-Oriented Programming, Operating System, Database Management System, Complexity Analysis, Computer Network, Cloud Computing

Area of Interest: Full-stack web Development, Artificial Intelligence, Machine Learning

CERTIFICATIONS AND ACHIEVEMENTS

- **Participation Certification in Pitchember:** A Hackathon organised by Incubation Centre Nov 2023
- **GirlScript Summer of Code (GSSoC):** Contributed to open-source web development projects Sep 2024
- **Participation Certification in ByteVerse:** A Hackathon organised by Hackslash Club Apr 2024
- **LeetCode:** Solved 500+ problems, contest rating 1600+ [Profile Link](#)
- **GeeksForGeeks:** Solved 350+ Data Structures problems [Profile Link](#)

POSITIONS OF RESPONSIBILITY

- **Web Team Member:** Hackslash club, NIT Patna

Ongoing