

CHANDRABHUSHAN KUMAR

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| [Portfolio](#) | [GitHub](#) | [LinkedIn](#) | [Leetcode](#) | [GFG](#) |

Languages: Hindi | English

CAREER OBJECTIVE

Aspiring Software Engineer with strong foundations in C, C++, data structures, algorithms, and operating systems. Experienced in backend development, system design, and full-stack engineering with hands-on exposure to Linux, REST APIs, cloud deployments, and scalable software architectures. Seeking to contribute to high-performance, reliable, and efficient software systems.

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	National Institute of Technology, Calicut	7.97/10 (Current)	2022 – Current
Senior Secondary (BSEB)	Govt. Sr. Secondary School Tilauthu, Rohtas	83.4%	2021
Secondary (CBSE)	Saraswati Vidya Mandir, Tilauthu, Rohtas	94.4%	2019

TECHNICAL SKILLS

- **Programming:** C, C++, Python, JavaScript
- **Core CS Concepts:** DSA, OS basics, OOP, Computer Networks basics
- **Frontend:** React.js, Next.js, TypeScript, HTML5, CSS3, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, REST APIs
- **Databases:** MongoDB, MySQL
- **Tools:** Git, GitHub, Docker (Basics), AWS (Basics), Excel VS Code, Postman, Cloudinary
- **Analytics & Data:** NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow
- **Design Tools:** Photoshop, Illustrator, Figma, Canva

PROJECTS

A Chat Application (<i>React, Node.js, MongoDB, Socket.io</i>) [baatwaat.onrender.com]	June 2025
<ul style="list-style-type: none">• Built a highly responsive real-time chat application using WebSockets for instant communication across multiple devices.• Implemented secure JWT authentication and modular backend APIs for maintainable, scalable code.• Deployed a robust backend on Render ensuring uptime, low latency, and optimized performance.	
Library Management System (<i>Node.js, Express, MongoDB</i>) [GitHub]	August 2025
<ul style="list-style-type: none">• Designed RESTful APIs to efficiently manage library books and student records with clear routing.• Optimized database schemas and queries to ensure high performance under concurrent access.• Added comprehensive error-handling middleware improving reliability and maintainability.	
GIS Image Classification (<i>Python, Streamlit, TensorFlow</i>) [Streamlit-Link]	October 2025
<ul style="list-style-type: none">• Developed a CNN model to classify satellite images into urban, forest, and water classes accurately.• Built an interactive Streamlit interface for real-time predictions and data visualization.• Applied data preprocessing, augmentation, and model tuning techniques to maximize classification accuracy.	
Medibot (<i>Python, Gemini API, Image Processing</i>) [GitHub-Link]	October 2025
<ul style="list-style-type: none">• Developed an intelligent system that analyzes uploaded medical images or wound photos and provides context-aware health insights.• Integrated Gemini API to interpret user queries and provide accurate, medically relevant responses efficiently.• Designed a lightweight backend for fast, scalable processing of medical images with optimized performance.	

EXPERIENCES

Tech Head - Prithvi Website (<i>Next.js, MongoDB, Cloudinary, Sheet</i>)	Certificate
<ul style="list-style-type: none">• Oversaw end-to-end full-stack development, guiding UI design and deployment.• Mentored 6+ developers under agile sprints, ensuring clean Git practices and version control.	
Robotics Interested Group Club Website (<i>NextJs, Node.js, MongoDB</i>)	Certificate
<ul style="list-style-type: none">• Developed a full-stack platform aligned with NITC branding and performance standards.• Collaborated with cross-functional teams for seamless backend integration. [GitHub]	

CERTIFICATIONS

Responsive Web Design – FreeCodeCamp	Link
<ul style="list-style-type: none">• Learned to build mobile-friendly, responsive web pages using HTML, CSS, Flexbox, Grid, and media queries.	
Complete Data Science, Machine Learning, DL, NLP Bootcamp – Udemy	Link
<ul style="list-style-type: none">• Covered end-to-end data science workflows including ML models, deep learning, NLP, and Python-based data analysis.	

POSITION OF RESPONSIBILITY

• Tech Lead, Civil Engineering Association (CEA), NIT Calicut	October 2023 - Present
• Design Head of DND and SNS Club, NIT Calicut	October 2023 - October 2024
• Event Coordinator of SGC and Magazine Club, NIT Calicut	October 2023 - October 2024
• Class Representative, Semester 1 and 2, NIT Calicut	November 2022 – June 2023