

# Chandan Kumar

Aspiring Full Stack Developer | Cloud & Machine Learning Enthusiast

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## Professional Summary

Computer Science undergraduate with experience in full stack development (Node.js, Firebase, JavaScript), cloud technologies (AWS, Firebase), and machine learning. Comfortable with Git-based version control, object-oriented principles, and data structures. Strong analytical thinker and collaborative team member. Actively seeking opportunities in Full Stack, Backend, AI/ML, and Technical Analyst roles to gain hands-on industry experience.

## Education

**Jaypee University of Information Technology, B.Tech. in Computer Science**  
CGPA: 7.3/10

2022–2026

**A.S. College, Bikramganj (BSEB)**  
Class XII – Score: 78%

2020

## Experience

**Full Stack Developer Intern – Unified Mentor Pvt. Ltd.**

Feb–Mar 2025

- Designed and deployed 2 real-time full stack applications using Node.js, Firebase, HTML, and JavaScript.
- Integrated Firebase Auth, Realtime Database, and Hosting for complete deployment pipelines.
- Collaborated via GitHub using branching, pull requests, and documentation best practices.

## Projects

**Super Mall Web App** – Node.js, Firebase, HTML/CSS, JavaScript

- Designed a multi-floor e-commerce mall layout with real-time shop and product browsing.
- Integrated Firebase for authentication, Realtime Database for dynamic product/offers, and Hosting.
- Implemented product comparison, cart, checkout, and merchant dashboard with clean UI.

**Real-time Chat App** – JavaScript, WebSockets, Firebase

- Developed a real-time group messaging app with WebSocket protocol and Firebase backend.
- Enabled dynamic room creation, instant messaging, and cross-device sync.
- Built responsive frontend UI with minimal delay in chat updates and user join/leave detection.

**AI-Driven Intrusion Detection System** – Python, scikit-learn, Pandas

- Built a machine learning pipeline using the UNSW-NB15 dataset for detecting cyber attacks.
- Applied SMOTE for data balancing and used ensemble models (Random Forest, XGBoost, CatBoost).
- Achieved 96.4% accuracy in binary classification; evaluated using confusion matrix and F1 score.

## Technical Skills

**Languages:** C, C++, Python, JavaScript

**Web Dev:** HTML, CSS, JavaScript, Node.js, REST APIs

**ML:** scikit-learn, Pandas, NumPy

**Cloud & Databases:** Firebase (Auth, Realtime DB, Hosting), MySQL, AWS

**AI Tools:** AWS PartyRock, SageMaker, Foundation Models

**Tools:** Git, GitHub, VS Code, Postman, Firebase CLI

## Certifications

- System Architect Essentials – Pega Academy (Pega Infinity)
- Machine Learning Specialization – DeepLearning.AI
- Introduction to Cloud Computing – IBM (Coursera)
- Git and GitHub – IBM (Coursera)
- Web Development – IBM (Coursera)
- Generative AI with AWS – AWS AI & ML Scholars Challenge (2025)

## Extracurricular Activities

**NCC Cadet – 1 HP Bn NCC (B Certificate Holder)**

Completed ATC-131 and ATC-196 camps. Demonstrated leadership, discipline, and time management.

**Cyber Security Consultant (Virtual) – Deloitte Australia (Forage)**

Simulated a cyber breach response: log analysis, threat detection, and mitigation strategies.