Chandan Kumar

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SUMMARY

A Computer Science student with practical experience in building full stack web applications using technologies like Node.js, JavaScript, and Firebase. I have a good understanding of cloud platforms and a solid foundation in machine learning. Eager to leverage my skills, keep learning, and grow in a fast-paced environment as a Full Stack Developer or Cloud Engineer.

EDUCATION

B. Tech. in Computer Science, Jaypee University of Information Technology   2022–2026
CGPA: 7.3/10

XII (BSEB) – A.S. College, Bikramganj   2020
78%

X (CBSE) – The Divine Public School, Bikramganj   2018
74%

EXPERIENCE

Web Development Intern – Unified Mentor Pvt. Ltd.   Feb–Mar 2025

- Developed and deployed two full-stack real-time web applications, contributing to faster and more efficient project deliveries.
- Utilized Git for version control, helping to improve code collaboration and maintain clean development workflows.
- Documented features thoroughly and followed best coding practices, leading to smoother deployments and reduced errors.

PROJECTS

- **Super Mall Web Application**
  - Built a full-stack e-commerce platform using Node.js, Firebase, and HTML/CSS.
  - Integrated Google Maps API, product management, and live offers system.
- **Real-time Chat Application**
  - Created a chat app with JavaScript and WebSockets for real-time communication.
  - Implemented rooms, formatting, Firebase deployment, and responsive UI.
- **AI-Driven Intrusion Detection System (Accuracy: 96.4%)**
  - Developed a cloud-deployed ML system using the UNSW-NB15 dataset to detect university network intrusions.
  - Applied data preprocessing, mutual information for feature selection, and SMOTE + RandomUnderSampler for class balancing.
  - Used Random Forest, KNN, XGBoost, and CatBoost; achieved 96.4% accuracy with a soft-voting ensemble model.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, JavaScript
Web Development: HTML, CSS, JavaScript, Node.js
Machine Learning: Scikit-learn, Pandas, NumPy
Cloud & Databases: Firebase, MySQL
Tools & Platforms: Git, GitHub, Visual Studio Code, Firebase Hosting

CERTIFICATIONS

- Machine Learning Specialization – Coursera
- Introduction to Cloud Computing – IBM (Coursera)
- Getting Started with Git and GitHub – IBM (Coursera)
- Introduction to Web Development – IBM (Coursera)

EXTRACURRICULAR ACTIVITIES

NCC Cadet (1 HP Bn NCC) – B Certificate Holder
Demonstrated discipline, leadership, and resilience through active participation in the National Cadet Corps. Successfully completed ATC-131 and ATC-196 training camps, showcasing strong teamwork, time management, and adaptability in high-pressure environments.