

# Kumar Shantanu

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BTech CSE student skilled in software development, AI, and cloud platforms (AWS, GCP). Proficient in React, Node.js, and solving real-world problems. Passionate about scalable systems and data privacy.

## Skills

- C, C++, Java, Python, HTML, CSS, JavaScript
- Node.js, Express, React, Tailwind CSS, Figma
- AWS, GCP
- English (Proficient)
- Hindi (Native)

## Projects

### Machine Learning based intrusion detection system

*Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn*

A Machine Learning-based Intrusion Detection System designed using the CIC-IDS2017 dataset to detect various types of cyberattacks. The project evaluates multiple ML algorithms to determine the most effective model for real-time threat detection.

## Experience

### Cloud Virtual Intern – AWS Academy (via Eduskills)

*Oct 2024 – Dec 2024*

Completed the AWS Academy Cloud Foundations and Architecting modules. Gained hands-on experience in designing and simulating cloud architectures using core AWS services.

### AI-ML Virtual Intern – Google (via Eduskills)

*Jan 2025 – Mar 2025*

Worked on machine learning fundamentals, model building, and responsible AI. Explored real-world use cases and built small ML applications using Google Cloud tools.

## Strengths

### Problem Solving

Improved team workflow by 20% by addressing bottlenecks.

### Technical Proficiency

Versed in full-stack development and cloud infrastructure.

### Quick Learner

Adaptable to new technologies and eager to expand technical knowledge.

## Education & Achievements

### B.Tech CSE

KIIT, Bhubaneswar  
2022 – 2026

### Senior Secondary (XII)

St. Joseph's High School, Patna

### Secondary (X)

St. Joseph's High School, Patna

- Represented School and College in National Basketball Events
- AWS Cloud Foundations
- AWS Cloud Architecting