

ASHWANI KUMAR

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Education

National Institute Of Technology

Bachelor of Technology in Information Technology, Grade: 7.91

2021 – 2025

Suratkal, Karnataka

Indus Public School

Class 12, Grade: 96.4

2020 – 2021

Jind, Haryana

Relevant Coursework

- Data Analytics
- Database Management
- Data Structures And Algorithms
- Data Mining And Warehousing

Projects

A cognitive security framework for detecting intrusions in IoT and 5G utilizing deep learning

Feb 2024

- Developed a novel security framework leveraging deep learning techniques tailored for IoT and 5G networks, addressing the escalating threat levels in these interconnected environments.
- Introduced a hybrid intrusion detection model combining MobileNetV3-SVM architecture enhancing adaptability to evolving threat vectors and traffic patterns, particularly beneficial for resource-constrained IoT and high-speed 5G edge devices.
- Implemented cutting-edge strategies to maximize effectiveness, including real-time processing of network packets with lightweight MobileNet.

Your Tube | Code | Live

Jun 2023

- Developed a dynamic web platform for video streaming using React.js, Material UI, Tailwind CSS, and the YouTube V3 API.
- Engineered and integrated various components such as trending videos, channel info, and video search functionality, catering to diverse content categories from Education to Music.
- Leveraged the YouTube V3 API to efficiently fetch and display video details, showcasing a mastery of API integration within a React.js frontend.
- Ensured a seamless user experience with cross-device compatibility through a responsive design, optimizing the platform for various screen sizes across different devices.

Achievements and Certifications

- **Tata Imagination Challenge 2023:** Qualified till Third Round.
- **HackOn With Amazon 2023:** Qualified till Second Round.
- **Jee Mains:** 99.86 Percentile, AIR 1684
- Postman API Student Expert Certificate.

Technical Skills

Languages: C, CPP, Python

Web Development: HTML, CSS, JavaScript

Libraries/Frameworks: Tailwind CSS, React.js, Node.js

Skills: Machine Learning, MySQL

Developer Tools: Git, Github

Extracurricular

Artist's Forum

President: Planning events and coordinating projects that are being held by the club.

February 2022 – Present

NITK

Student Council

Graphic Designer for student council, creating visually engaging designs for college events.

May 2023 – Present

NITK