YUVRAJ SINGH

A person with a mustache

AI-generated content may be incorrect.

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# EDUCATION

**Jaycees English Secondary Boarding School** **2019**

**Percentage(10) : 85%**

**Nasa National Secondary School** **2019-2021**

**Percentage(12) : 83%**

**Bachelor of Technology: Kalinga Institute of Industrial Technology Aug 2022-Present Stream: Computer Science and Engineering CGPA: 7.7/10**

# SKILLS

# Languages: C, C++, Java, JavaScript, Python, SQL

# Tech Stacks: HTML, CSS, JavaScript, React, MySQL, AWS Cloud, AI/ML

# Tools: VS Code, Git, GitHub, Google Colab

# Soft Skills: Time Management, Problem-solving, Leadership, Team Work

# Coursework: Object-Oriented Programming, DBMS, Operating System, Computer Network

# Areas of Interest: Software Developer, Web Development, Machine Learning

# PROJECTS

**Network Intrusion Detection System (NIDS)** – **Machine Learning Project**

* Developed an intelligent IDS using Python and Google Colab for scalable cloud-based training and testing. I worked with real-world datasets (CICIDS 2017/2018, UNSW-NB15), applying preprocessing, feature selection, and SMOTE for class balancing. Multiple ML models, including Logistic Regression, Decision Tree, Random Forest, KNN, SVM, and MLP, were built and evaluated using Scikit-learn and TensorFlow. Performance was measured using accuracy, precision, recall, F1-score, and ROC-AUC, and the results were visualised through confusion matrices and ROC curves. The project delivered a modular, scalable detection system suitable for enterprise-level cybersecurity integration.

**E-Commerce Website**

* Developed an E-Commerce Website using HTML, CSS, JavaScript, and Tailwind CSS, designed with a fully responsive modern interface for an optimised shopping experience. The platform includes key features such as user authentication, product search and filtering, a shopping cart, a rating system, and order tracking. These functionalities ensure seamless navigation, secure transactions, and an engaging user experience tailored for online retail.

**Portfolio Website**

* Designed and developed a personal portfolio website using HTML, CSS, and JavaScript, and created a responsive and interactive user interface to showcase projects and skills.

# CERTIFICATES

* + [Virtual Intership AI and ML Google for Developers](https://drive.google.com/file/d/1zh1j_dm0JxTb1o8iN5zt-Snu6S4ehv9_/view?usp=sharing)
  + [Ethical Decision Making for Success in the Tech Industry](https://coursera.org/share/89e87b517f1c1b0685a00ec62a4dc055)
  + [Business for Good: Fundamentals of Corporate Responsibility](https://coursera.org/share/2ec1f37ef4655fefcebad533f289b506)
  + [Corporate Governance](https://coursera.org/share/e70309690cfb335a82ea8d579c1bcd06)