



Candidate Code – CC196

GitHub
Portfolio

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	YEAR
CLASS XII	SCIENCE	DAV Public School	CBSE	2021
CLASS X		DAV Public School	CBSE	2019

Subjects/Electives	Python programming, C programming, Data Structures and Algorithms, Data Communication and Computer Network, Programming in C++, Switching Circuit and Logic Design, Machine learning, Object Oriented programming using Java, Theory of Computation, Operating System, Database Engineering, Computer Organization and Architecture, Design and Analysis of algorithm, Software Engineering and Agile Methodology, Internet of Things, Enterprise Java, Cloud Computing & Virtualization
Technical Proficiency	C++, C, Java, Python, HTML, CSS, Bootstrap, JavaScript, SQL, Git and GitHub

SUMMER INTERNSHIP / WORK EXPERIENCE

Summer Research Intern

May 2024 – July 2024

Project : Grad-CAM based Defect Detection for Structural Health Monitoring

- Developed and trained CNN architectures to detect structural cracks, achieving an accuracy of 92.90% with a pre-trained VGG16 model.
- Integrated VGG16 with Grad-CAM for better localization of cracks.
- Utilized Global Average Pooling(GAP) layer instead of Flatten layer to reduce the number of parameters and handle the overfitting issues.

Vocational Training Intern, Tata Iron & Steel Company

June 2023 – June 2023

Project: KPI Monitoring

- Created an user interface for KPI monitoring which showcased different objectives of the company along with their strategies and sub-strategies using HTML, CSS, JavaScript(Mermaid JS).
- Learnt about database creation.

PROJECTS

FRAUD DETECTION IN FINANCIAL SERVICES

- Developed a machine learning project using Python, libraries such as numpy, scikit learn, matplotlib, seaborn.
- Utilized Logistic Regression, decision tree and random forest models.

CRYPTOCURRENCY MAXIMUM RETURN MODEL

- Developed a comprehensive Cryptocurrency maximum return model leveraging XGBoost, Random Forest, and Linear regression techniques, optimizing for accuracy and achieving favorable risk-reward ratios.

TOURLY

- Designed an user interface to book tours and travels.
- Created an interactive navigation bar.
- Users can inquire about the destinations with their checkin and checkout date.
- Displayed a list of popular destinations with their packages.
- Created a photo gallery of different destinations.

POSITION OF RESPONSIBILITY

WEB DEVELOPMENT HEAD EXECUTIVE (GDSC Club)

Aug 2023- Present

- Organized and led a web development bootcamp, instructing over 100 students on foundational concepts.
- Coordinated the Innotech Symposium: Bridging Data Science and Startups event for WTM, Bhubaneswar on behalf of GDSC, CVRGU; attracted over 200 attendees and secured 5 high-profile speakers.

EXTRACURRICULAR ACTIVITIES
<ul style="list-style-type: none">Participated in SIH’23.Participated in HackNITR’23 hackthon.

CERTIFICATIONS		
CERTIFICATIONS	CERTIFYING AUTHORITY	DESCRIPTION
CCNA- CISCO Certified Network Associate	CISCO	Computer Networking basics
Introductory course on Machine Learning	TATA STEEL	Machine learning basics
Introduction to Cybersecurity and Cybersecurity Essentials-CISCO	CISCO	Cybersecurity basics
CISCO Programming Essentials in Python	CISCO	Basics of python programming