**VIRAJ MATHUR**

**MALE, 21**   **MOBILE: 9417183737 EMAIL ID: vmathur\_be21@thapar.edu**

**EDUCATION**

| Name of course | Year | College | % | Dept. Rank |
| --- | --- | --- | --- | --- |
| **Electronics and Computer Engineering (B.E)**  **AISSCE Class XII)** | 2021-2025    2019 | Thapar Institute of Engineering and Technology  Delhi Public School, Chandigarh | 7.94  (CGPA)  95.7% | 73  7 |
| **AISCE (Class X)** | 2021 | Delhi Public School, Chandigarh | 95% | 9 |



**INTERNSHIP**

**INNOVV BUSINESS SOLUTIONS PVT LTD**, **Patiala** August 2023 - October 2023

**Full Stack Developer** - Internship

* Collaborated on scalable web applications and developed landing page using ReactJS
* Implemented efficient algorithms and data structures to optimize front-end performance
* Contributed to the design and development of RESTful APIs, enhancing system integration



**ACADEMIC PROJECTS**

* **CineFest** — Python, Machine Learning, Flask, HTML, Web Scraping

**◦** Developed a movie recommendation system using collaborative and content-based filtering

**◦** Created datasets from IMDB and Wikipedia via web scraping

**◦** Integrated TMDB and OMDB APIs for additional movie metadata

**◦** Built a Flask web app with an HTML frontend for recommendations

* **3D Dental Image Reconstruction** — GANs, Deep Learning

**◦** Ongoing capstone project utilizing Generative Adversarial Networks (GANs) and deep learning

**◦** Focused on advanced image processing techniques for dental applications

* **DeepFake Detection System —** Python, TensorFlow, CNN, ResNet

**◦** Developed a deepfake detector utilizing CNNs & ResNet50 model to classify real and synthetic images

**◦** Focused on advanced image processing techniques for dental applications

**◦** Employed a diverse dataset from Kaggle, ensuring balanced classes for effective supervised learning

**◦** Achieved 84.68% accuracy with ResNet and 61.25% with CNN Models

* **Weather Forecasting Website —** React, HTML, CSS, API Integration

**◦** Designed and developed a React-based interface for real-time weather data visualization

**◦**  Integrated real-time weather updates using external APIs

**ACADEMIC ACHIEVEMENTS AND AWARDS**

* **Overall Proficiency Awardee** for 3 consecutive years at Delhi Public School Chandigarh.
* **Scholar Batch Holder** for 4 consecutive years at Delhi Public School Chandigarh.
* **Finalist** in Adobe Gensolve Hackathon 2024
* **Finalist** in Indus Valley Partners Coderush 4.0 Hackathon

**POSITIONS OF RESPONSIBILITY**

* **Technical Secretary at LINUX USER GROUP [LUG] at Thapar University**.
  + Organized various hackathons and workshops, fostering a collaborative learning environment.
  + Mentored students in the technical department, guiding them in their technical growth and development.
* **Member of Mechatronics And Robotic Society [MARS] at Thapar University**
  + Created detailed itineraries for various projects and events, ensuring smooth execution and organization.
  + Contributed to the planning and scheduling activities, optimizing the workflow for team members.

**EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS**

* Member of Cricket Team of Delhi Public School Chandigarh

**OTHER INFORMATION**

* Passionate about problem-solving and strategic thinking, always eager to tackle complex challenges with a data-driven approach.
* Values collaboration and teamwork, actively contributing to cross-functional projects and initiatives.
* Enjoys staying up-to-date with industry trends and continuously seeks professional growth and development opportunities.