

Ojaswi Kumar

Thapar Institute of Engineering and Technology

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Education

Program	Institution	CGPA	Year
B.E. (Computer Science & Engg.)	Thapar Institute of Engineering & Technology	8.52	2021-2025
All India Senior School Certificate Examination (AISSCE)	Bhavan's Gangabux Kanoria Vidyamandir, Kolkata	95.4%	2019-2021
Council for the Indian School Certificate Examinations.(C.I.S.C.E.)	Delhi Public School Newtown, Kolkata	93.4%	2009-2019

Key Projects

1. [Research paper on Knee joint disorder classification](#)
 - Detecting knee joint disorders via selection of entropy-based features and classification of Vibroarthrographic signals
 - Research paper based on machine learning algorithms using python (Pandas, NumPy), machine learning models (Logistic Regression, SVM, etc.), paper went for review before publishing.
2. [Spotify-Clone](#)
 - Developed a Spotify clone using HTML, CSS, and JavaScript, mimicking Spotify's design and functionality, including song display, playback, and playlist creation. Enhanced user interactivity and dynamic content management.
3. [Cinema Booking App Design](#)
 - Designed a Cinema Booking App in Figma, featuring reservation, seat selection, and mobile ticket screens. Created interactive and polished UI elements for a professional user experience.
4. [Covid-19 Power-BI Report](#)
 - Analyzed COVID-19 data using Power BI, creating an interactive dashboard with global confirmed cases, recoveries, deaths, and mortality rates. Visualizations include cumulative and daily counts, age group mortality rates, and active case distribution by country.

Technical Skills

- Programming Language: C,C#, C++, Python, MATLAB
- Operating System:Windows, Linux
- ML and DL:Model Selection, NLTK, RNN, NL, Tensor Flow, Scikit-Learn, CNN, Supervised/ Unsupervised Learning
- Web Technology: HTML,CSS,Javascript
- Business Intelligence tools: Power BI
- Data Science:Python with NumPy and Pandas, PySpark
- Tools: Latex, Microsoft Office, GitHub/Git , Visual Studio Code
- Designing Tools: Figma,Canva
- Certifications: AWS Cloud Foundations
- Certifications: Foundational C# with Microsoft
- Certifications: ELC Activity Completion

Achievements/Awards

- Received a scholarship for the second year based on outstanding academic performance in the first year, and stood second in the branch (Certificate)
- Qualified and Achieved **77** aggregate in the **1st Round** of the **Ramanujan Maths Olympiad**.
- Awarded a scholarship based on **JEE score** for the first year of college.
- Solved more than 120+ Leetcode Problems

Others

- **Hobbies:** Travelling, Cooking, Tech Enthusiast
- **Languages:** English, French, Hindi, Bengali
- Participated in inter-house cricket and football competitions at Bhavans Gangabaux Kanoria Vidyamandir, Kolkata, showcasing teamwork and sportsmanship
- Participated in inter-house Basketball competitions at Bhavans Gangabaux Kanoria Vidyamandir Kolkata, showcasing teamwork and sportsmanship
- Proficient in derivative markets, specializing in futures and options trading strategies and technical analysis. Acquired in-depth knowledge at Future Firsts Academy, focusing on risk management, hedging techniques, and market dynamics. Skilled in interpreting market trends using chart patterns, indicators, and trend analysis tools. Capable of formulating and executing effective trading strategies, with a strong understanding of financial instruments and regulatory compliance in derivatives markets
- Collaborated with an associate professor on a research project, demonstrating strong analytical and communicative skills. Leveraged machine learning expertise to contribute significantly to the completion of a research paper. Effectively applied data analysis techniques and communicated findings, enhancing project outcomes. Demonstrated proficiency in research methodologies and the ability to work collaboratively in academic settings, resulting in impactful contributions to the project's success.
- **Linkedin:** <https://www.linkedin.com/in/ojaswi-kumar-838422240/>
- **Leetcode:** <https://leetcode.com/u/JackSparrow1612/>
- **GitHub:** <https://github.com/Ojaswikumar>