

# Yash Kumar Shukla

Final Year B. Tech Student  
Computer Science and Engineering (Sp. AI&ML)  
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## Academic Details

Year	Degree	Institute	Percentage/CGPA
2021-Present	B.Tech in Computer Science and Engineering (Sp. AI&ML)	K.R. Mangalam University	In Progress
2020-2021	Class XII CBSE	Red Roses Public School, Saket	81.6%
2018-2019	Class X CBSE	Red Roses Public School, Saket	90.8%

## Objective

To pursue graduate studies in computer science and engineering, leading to a career in Artificial Intelligence and research. I am interested in data science and machine learning.

## Projects

### CGAP – Citizen Grievance Application Portal

- *Hack KRMU 3.0 2024 Project* *March 2024*  
This project involved the development of an application portal where people can upload their documents in form of pdf, docx, image file format and generate a grievance report to be sent to the government by using Generative AI. The backend involved developing a RAG LLM model using LlamaIndex Framework and integrating it with OpenAI LLM model to generate responses.

### Car Resale Value Prediction - WheelsReborn

- *5<sup>th</sup> Semester Project* *Sept 2023 - Nov 2023*  
This project involved the development of a full stack Django application just like CarDekho or Cars24 to predict value using machine learning and deep learning. This project has proper user account management and authentication system with email confirmation. Users can even book a car inspection which involves user database management also.

### Campus Placement Prediction

- *IBM Hack Challenge Project* *Jul 2023 - Sept 2023*  
This project involved the development of a single page Flask web application to predict placement of students based on their academic performance using machine learning and integrating the responses with IBM Watson Studio for live cloud computing.

## Computer Skills

- **Programming Languages:** Scala, C/C++, Python, MySQL, HTML, CSS, R.
- **Packages and Frameworks:** Tableau, MS Excel, IBM Watson Studio, Docker, Spark, Hadoop, Hive, Sqoop, Flask, Django, OpenAI-ChatGPT, LangChain, LlamaIndex, Tensorflow, Pytorch, Matplotlib, Seaborn, BeautifulSoup.
- **Technical Skills:** Data Science, Data Analysis, Data Structures and Algorithms, Probabilistic Data Modelling, Data Cleaning, Data Engineering, Machine Learning, Classification, Regression, Clustering, Neural Network and Deep Learning, Natural Language Processing, Artificial Intelligence, Generative AI, Computer Vision, Pattern Recognition, Data Visualization, Statistical Analysis, Web Scrapping, Web Development, Robotic Process Automation, Database Management.
- **Platforms:** Linux and Windows.
- **Version Control:** Git, DVC (Data Version Control)