



# Kunal Bansal

 [github.com/kunal30114](https://github.com/kunal30114)

 [linkedin.com/in/kunal-bansal-dtucs](https://www.linkedin.com/in/kunal-bansal-dtucs)

 [kunal.30114@gmail.com](mailto:kunal.30114@gmail.com)

 [9990240399](tel:9990240399)

## EDUCATION

<b>Delhi Technological University (formerly Delhi College of Engineering)</b> <i>B. Tech. Computer Science and Engineering</i>	June 2027 SGPA: 8.9
<b>Central Board of Secondary Education (Class 12th )</b> <i>Computer Science, Mathematics, Physics, Chemistry, English, Physical Education</i>	May 2023 Grade: 95.8 %
<b>Central Board of Secondary Education (Class 10th )</b> <i>English, Hindi, Mathematics, Science, Social Science, Information Technology</i>	August 2021 Grade: 93.8 %

## COURSEWORK

**Courses:** Data Structures, Basics of Machine Learning and Applications, Web Designing, Programming Fundamentals, Computer Aided Engineering Graphics, Discrete Structures, Applied Mathematics, Applied Physics, Introduction to Environmental Science, Professional Ethics & Human Values

**Awards:** National Talent Search Exam (NTSE-1) Scholar, Reliance Foundation UG Scholar

### Additional Courses :

- Machine Learning Specialization from Stanford Online, DeepLearning.AI, Coursera

## SKILLS

**Languages:** C/C++, Python, HTML/CSS

**Tools:** Git/GitHub, VS Code , AutoCAD

**Libraries:** Pandas, NumPy, Matplotlib, Tensorflow, Keras, Scikit-Learn , Streamlit

## PROJECTS

<b>Quiz O'Clock</b>   <i>Python , Streamlit , Azure GPT 3.5 (Link: <a href="https://quizoclock.streamlit.app">quizoclock.streamlit.app</a>)</i>	May 2024
<ul style="list-style-type: none"><li>Developed an interactive quiz application using Streamlit, integrating Azure GPT 3.5 APIs for dynamic, randomized questions.</li><li>Designed a user-friendly interface allowing users to select genre, difficulty, and number of questions.</li><li>Implemented robust error handling and optimized API performance, ensuring reliable and seamless operation.</li></ul>	
<b>Movie Recommender System</b>   <i>Python, , pandas, Numpy , Sci-kitlearn</i>	Mar. 2024
<ul style="list-style-type: none"><li>Developed a Movie Recommender System utilizing content-based filtering techniques, such as Bag of Words and cosine similarity, to analyze movie metadata and generate personalized recommendations.</li><li>Implemented an intuitive user interface using Streamlit, enhancing user experience and enabling seamless interaction with the recommendation system.</li><li>Demonstrated proficiency in data preprocessing, feature extraction, and model deployment, resulting in an effective and user-friendly movie recommendation solution.</li></ul>	
<b>Insurance Cost Prediction</b>   <i>Python, , pandas, Numpy , Sci-kitlearn</i>	Feb. 2024
<ul style="list-style-type: none"><li>Developed a Medical Insurance Cost Prediction model using Linear Regression, achieving robust performance metrics with an R-squared value of [insert R-squared value here] on both training and test datasets.</li><li>Created an interactive web interface using Streamlit, allowing users to input their demographic and health data to obtain personalized insurance cost estimates.</li><li>Leveraged Python libraries such as NumPy, Pandas, and Scikit-learn for data preprocessing, model training, and deployment, demonstrating proficiency in end-to-end machine learning pipeline development.</li></ul>	

EXPERIENCE

---

<b>IEEE DTU</b>   <i>Member</i>	Sept. 2023 - Present
<b>Creative and Hospitality Executive - IEEE DTU</b>	
<ul style="list-style-type: none"><li>Conceptualized and executed weekly technical gatherings fostering innovation and collaboration within Delhi Technological University technical community.</li></ul>	
<b>AlgoRave</b>   <i>Member</i>	Sept. 2023 - Present
<ul style="list-style-type: none"><li>Involved in the club centered around Competitive Programming</li></ul>	
<b>MACS- Mathematics &amp; Computing Society</b>   <i>Member</i>	Sept. 2023 - Present
<ul style="list-style-type: none"><li>Involved in AI/ML department</li></ul>	