Keerthana Gopalakrishnan

✉ kethykrish23@gmail.com   📞 +91 9840802864   in keerthana-g-34881a259   ○ KeerthanaG23   📍 Chennai, India

Education

September 2021 – Pursuing Chennai, India	**B.Tech - Artificial intelligence and Data science,** *Shiv Nadar University Chennai* ⬈ • *GPA - 9.3* • *Exploratory Data Analysis, Design And Analysis of Algorithms, Machine learning, Database Management Systems*
April 2015 – May 2021 Chennai, India	**High School,** *Vidya Mandir @ Estancia (CBSC)* ⬈ **Class XII - 96.2% Class X - 93.6%**

Skills

Programming	**Database**	**Data Visualization**	**Web Devlopment**
C, C++, Python, Java,OpenCV	*MySQL*	*PowerBI , Tableau*	*HTML5, CSS3*

Projects

March 2023	**Movie Recommendation system** ⬈ • Movie recommendation system that employs collaborative filtering techniques to offer generalized recommendations to every user based on movie genre ,cast and popularity. • Implemented a user authentication system to provide personalized recommendations for registered users. • The project utilized machine learning algorithms like NLTK (Natural Language Toolkit) and web development technologies like HTML5, CSS3, JavaScript to create an intuitive and engaging user experience.
January 2023	**Parkinson's Disease Prediction by analysing Micrographia,** *Convolutional Neural Networks* ⬈ • Developed a deep learning model using CNN to predict Parkinson's disease by analyzing handwritten samples. • Employed data augmentation techniques to increase the diversity of the training dataset and improve the model's generalization capabilities. • Developed a GUI using PyQt5 to provide an intuitive and interactive way for users to input samples and view the model's predictions.
September 2022	**Comparative Analysis of Cricketers' Performance: Unveiling Key Performance Metrics and Trends using Tableau** ⬈ • Conducted web scraping to extract player statistics from relevant sources and developed various comparative visualizations to highlight the performance disparities among similar players using Tableau. • Presented insights on batting and bowling statistics, such as strike rates, average scores, wickets taken, and economy rates and identified players with outstanding performance in specific situations, providing valuable insights for team selection and strategic decision-making.

Professional Development

January 2023 Tiruchirapalli	**NIT-Datanetiix Hackathon, National Institute of Technology, Tiruchirappalli** • Attended the first International Conference on Intelligent Solutions for Emergency Response and Disaster Management, organized by NIT Tiruchirapalli & Datanetiix • Participated in a rigorous 48-hour hackathon focused on innovative data solutions and technologies.
January 2023 Chennai	**Text Analysis and Information Extraction & Retrieval,Sri Sivasubramaniya Nadar College Of Engineering (TIER 2023)** • Attended a comprehensive workshop held as part of the 7th International Conference on Computer, Communication, and Signal Processing (ICCCSP 2023) • Learned about state-of-the-art algorithms and approaches used in natural language processing (NLP) and machine learning (ML) to analyze and extract information from text data.
December 2019 Kattangulathur	**Aeromodelling ~ Learn how to fly, SRM Valliammai Engineering College** • Attended an intensive workshop on aeromodelling organized by the Department of Mechanical Engineering and acquired comprehensive knowledge of aerodynamic principles & techniques for model construction and flight control systems.

Awards & Certificates

Merit card holder for consistent academic excellence, *Vidya Mandir @ Estanicia*
• Class 12 AISSCE school topper in Biology, Physics and Chemistry
• Science topper in AISSE Class 10 Board Examination

Sports Captain, *Vidya Mandir @ Estancia*
• Student Council 2020-21
• Demonstrated leadership and organizational skills as the sports captain, overseeing team activities and fostering a culture of excellence and sportsmanship.

Consecutive Individual Championship - Demonstrating Unmatched Sporting Excellence and Consistency
• Won the individual championship for two consecutive academic years (2019-2020 and 2020-2021), demonstrating exceptional skill and consistency across multiple sporting events.

Merit Certificate - Green Olympiad, *TERI (The Energy and Resources Institute) , 2016*
• Demonstrated exceptional knowledge in environmental science and sustainability practices through outstanding performance in the Green Olympiad examination.