

# Keerthana Gopalakrishnan

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Chennai, India

## Education

2021 – 2025  
Chennai, India

**Shiv Nadar University Chennai**, *B.Tech - Artificial intelligence and Data science*  
• CGPA - 9.24 / 10.00

2019 – 2021

**Vidya Mandir @ Estancia (CBSC), Chennai**, *Secondary/Senior Secondary School*  
• Class X - 93.6% Class XII - 96.2%

## Skills

**Programming:** (C, C++, Python, Java) | **Web Development:** (HTML5, CSS3, JavaScript, Bootstrap) | **Database:** (MySQL, Oracle)

**Frameworks & Libraries:** (Python: NumPy, Pandas, TensorFlow, PyTorch, Scikit-Learn, Seaborn, OpenCV, PyQt5 JavaScript: React, Node)

**Data Visualization:** (PowerBI, Tableau)

## Internships

Jun 2023 – Jul 2023

**Data Analyst - Intimate Fashions India Private Limited**, *Microsoft PowerBI*

- The focal point of the internship was to generate and disseminate real-time insights within the organization, facilitating business users in comprehending the organizational status over time effortlessly creating dynamic reports, interactive dashboards, and designing data models to track essential KPIs.

## Projects

Jul 2023

**Cricket Forecast and Analysis Website**, *Machine Learning & Microsoft PowerBI*

- Developed a website that predicts the Scores of Virat Kohli in a given future match based on the format, Opposition and Innings.
- Constructed a dedicated analysis tab providing an end-to-end breakdown of Virat's T20, ODI & Test Cricket performances, each with individual dashboards using PowerBI. Created user interface integrated using Flask.

Mar 2023

**Movie Recommendation system**, *Natural Language Processing*

- Implemented a collaborative filtering-based movie recommendation system with personalized recommendations for registered users based on cast, genre and popularity.
- Utilized NLTK for machine learning and HTML5, CSS3, and JavaScript for an intuitive user interface.

Jan 2023

**Parkinson's Disease Prediction by analysing Micrographia**, *Convolutional Neural Networks*

- Developed a CNN-based deep learning model to predict Parkinson's disease by analyzing handwritten samples.
- Employed data augmentation techniques to enhance dataset diversity and improve model generalization.
- Created an intuitive and interactive GUI with PyQt5 for users to input samples and view model predictions.

Aug 2022 – Sep 2022

**Bus Management System**, *Web Scrapping using Python*

- Find your bus** a web-based application system aimed to keep track of various buses available between the requested source and destination routes.
- Clone a basic version of an existing and functional map and navigation system, set in motion the learning process to further develop this mini-project into a full-fledged mobile application system in the future.

Sep 2022

**Comparative Analysis of Cricketers' Performance: Unveiling Key Performance Metrics and Trends**, *Tableau*

- Performed web scraping to extract player statistics, utilized Tableau to create comparative visualizations showcasing performance disparities among similar players providing valuable insights for strategic decision-making.

## Professional Development

Aug 2023 – Present  
Chennai

**Video Yantra Solutions**, *Part time Trainee*

- Projects: Mobile Apps Development, Media Analytics, AI and ML applied to Media, Microservices Platform, Internet Of Things PoC, other on-going projects in Video Yantra

Jan 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.

Jan 2023  
Chennai

**Text Analysis and Information Extraction & Retrieval,Sri Sivasubramanya 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.

## Awards & Certificates

Jul 2023

**Cricket and coding - Crack the Challenge**, *IIT Cricket Hackathon 2023*

- Achieving a noteworthy position among the top 40 teams in the IIT IPL Hackathon, the team was honored with a substantial cash prize of Rs.5000 for successfully forecasting the total runs a batting team would score by the conclusion of the initial 6 overs in a T20 cricket match.

Feb 2021

**Sports Captain**, *Student Council 2020-21*

- Demonstrated leadership and organizational skills as the sports captain, overseeing team activities and fostering a culture of excellence and sportsmanship.