Abhinav Kumar Nariyampully Anilkumar

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Education

National Institute of Technology, Puducherry   December, 2021 - April, 2025
B.Tech in Computer Science & Engineering with specialization in DS & AI (CGPA- 8.21)   *Puducherry, India*

Swaraj India Public School   April, 2020 - April, 2021
Senior Secondary (XII) (ISC Board) (Percentage - 99.50%)   *Kanpur, India*

Swaraj India Public School   April, 2018 - April, 2019
Secondary (X) (ICSE Board) (Percentage - 97%)   *Kanpur, India*

Technical Skills

Languages: C/C++, Python, JavaScript, Java
Subject Knowledge: Data Structures and Algorithms, Data Science, Machine Learning, Operating Systems, Database Management, Computer Networks Systems, Software Development Life Cycles, Object Oriented Programming
Technologies/Frameworks/Libraries: TensorFlow, Scikit-Learn, Numpy, Pandas, Node.js, React, Bootstrap, Express.js, Streamlit, git, github.

Internships

Coincent   October, 2022 - December, 2022
Machine Learning Intern   *Puducherry, India*

- Engineered and implemented a deep learning model to autonomously drive a car using a dataset of 45,000 images annotated with steering angles.
- Trained a neural network to predict steering angles from real-time video input, creating a reliable and responsive autonomous driving system.
- Produced a demonstration video highlighting the model's performance and its precision in navigating various driving scenarios.

Programming Profiles

- **Leetcode**   • **CodeChef**   • **HackerRank**

Projects

WhatsApp Chat Analyzer | *NLP, Streamlit, Python, Numpy, Pandas, Neural Network* | (Link)

- Conducted extensive Exploratory Data Analysis (EDA) on WhatsApp chat data to extract meaningful insights and patterns, enhancing the understanding of communication behaviors.
- Developed a Bi-LSTM model for sentiment analysis, achieving a 95.15% accuracy, showcasing expertise in advanced machine learning techniques and natural language processing.
- Presented the project at the 3rd International Conference on Intelligent Systems & Sustainable Computing (ICISSC-2023).

WanderLust | *MVC Model, Node.js, Express.js, MongoDB* | (Link)

- Built a full-stack website using MongoDB, Node.js, Express.js and the MVC architectural pattern, ensuring a scalable and maintainable codebase.
- Implemented features such as user authentication, property listings, booking management and review systems, enhancing user experience and functionality.
- Deployed the application on Render with a free cloud database, demonstrating proficiency in cloud deployment and database integration for seamless online access.

Covid XRay | *Python, Numpy, TensorFlow, Neural Network* | (Link)

- Engineered a CNN model on a dataset of Covid patient X-rays.
- Predicted Covid positivity with over 96% accuracy.

Achievements

- Secured a global Top 400 ranking in the KaggleX Fellowship Program
- Selected among 8K out of 5 lakh registrants and advanced through Round 1.1 of Flipkart GriD 6.0 - Software Development Track.
- Competed in state-level basketball tournaments on 3 occasions.