

Ashutosh Singh

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EDUCATION

- **Rajiv Gandhi Institute of Petroleum Technology** Raebareli, India
BTech in Computer Science and Engineering; CGPA: 8.56 (till 5th sem) Dec 2020 - Present
- **Maharishi Vidya Mandir Sr. Secondary School** Prayagraj, India
10th Grade: 10.0 CGPA and 12th Grade: 90.6 Percentage Apr 2015 - May 2019

WORK EXPERIENCE

- **FoxTradingSolutions** Sept 2022 - Nov 2022
Machine Learning Intern
 - **Project:** For making self-driving cars data sets are needed such as data from sensors like Lidar, Radar, GPS, Ultrasonic, and cameras but this is a very tough task, what I have done took data i.e., video and data of steering angle, then train the model using that data set and after that, I checked how it performs for different datasets i.e., live and recorded video.
 - Trained Convolutional Neural Network model with 98 percent validation accuracy, improved training times by 35 percent, and tested algorithms on diverse datasets to identify the best parameters for the project.
 - Reduced prediction latency to 1.5 ms for model evaluation, optimized inference logic for improved accuracy, and implemented model agnostic optimizations for production-ready performance.
 - **Technical Skills:** Machine Learning · Python (Programming Language) · TensorFlow · Computer Vision · Scikit-Learn · NumPy · Pandas (Software) · Convolutional Neural Networks (CNN).

VOLUNTEER EXPERIENCE

- **Microsoft** Oct 2022 - Present
Microsoft Learn Student Ambassador
 - **Science and Technology:** As a Student Ambassador, there are many opportunities such as to help fellow students, create robust tech communities and develop technical and career skills for the future can be a part of a global group of campus leaders who are eager to help others, learn new things and make a difference in the world. **Connect**

PROJECTS

- **Jacie-Virtual Assistant (Android):** Jacie is a virtual assistant that can perform basic tasks like making calls, sending texts, and turning on/off Bluetooth and the flashlight. It can also do more complex things like Google Lens searches. Simply give it a verbal command and it will recognize what you want to do. Jacie is powered by Android and Kotlin, making it a powerful and versatile assistant.
Technical Skills: Java, Kotlin, APIs, Room Database, Android JetPack Resources (Dec '22 - Jan '23) **Project Link**
- **Fuse-Let's Connect (Android):** Created a chatting app that runs on Android, based on the Kotlin programming language. In this app, Firebase is used as a Real-Time database for it, and this app has all the essential features, like deleting messages or whether a particular user is online or offline.
Technical Skills: Android, Kotlin, Firebase, Android JetPack Resources (Sept '22 - Oct '22) **Project Link**
- **DocDram-Infotainment Website:** Docdram Infotainment is a new website that offers a mix of entertainment and information. The main goal behind this project is to provide a one-stop shop for everything a person might need in their daily life. Whether it's keeping up with the latest news or watching a new movie, Infotainment has it all. This website is built with HTML, CSS, and JS. It is designed to be user-friendly and easy to navigate. There is something for everyone on Infotainment.
Technical Skills: HTML, CSS, JS, Bootstrap (Mar '22 - May '22) **Project Link**

SKILLS

- **Programming:** C++/C, Java, Python, Data Structures and Algorithms
- **Technologies:** Android, Kotlin, Firebase, Machine Learning, Azure AI, Pandas, Numpy, Matplotlib, Scikit-learn
- **Others:** TensorFlow, Cloud Computing Basics, HTML, CSS, Bootstrap, SQL, OOPs, Git

CERTIFICATES AND ACHIEVEMENTS

- **Certificate:** DeepLearning.AI and Stanford Online **Machine Learning** Course. [Link](#)
- **Certificate:** Microsoft certified **Azure AI** Fundamentals Certificate. [Link](#)
- **Certificate:** SAP CyberSecurity Virtual Internship Program. [Link](#)
- **Achievement:** JEE Advanced, Qualified and International Maths Olympiad, Qualified upto level-2
- **Achievement:** Kickstart - 4K Rank and Codechef 121 Rank in Contest