



SHREYAS BHAT KERA

Course: **B.E. (Hons.)**, Computer Science, 2022

Email : f20181119@pilani.bits-pilani.ac.in

Mobile : 8867220276

CGPA : 8.86



ACADEMIC DETAILS					
COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	Computer Science	Greenwood High, Bengaluru	ISC	98.25 %	2018
CLASS X		Greenwood High, Bengaluru	ICSE	96.2 %	2016

Subjects / Electives	Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Computer Programming, Neural Networks and Fuzzy Logic, Probability & Statistics, Discrete Structures in Computer Science, Logic in Computer Science
Technical Proficiency	Python, Java, Deep Learning, Machine Learning, Computer Vision, Data Science, PyTorch, Tensorflow, Scikit-Learn, Pandas, NumPy, Flask, Android Studio, C++

SUMMER INTERNSHIP / WORK EXPERIENCE	
Machine Learning Intern, Infor Worked on Vendor Classification and Segmentation. Learnt the following skills: <ul style="list-style-type: none"> Using the scikit-learn Python package for building Supervised and Unsupervised Machine Learning models. Data Analysis, Processing and Engineering for more optimal ML models. Advanced Python including Numpy for scientific computation, Pandas for building and manipulating datasets and Matplotlib and Seaborn for data visualization. Deployment and execution of Machine Learning models using Flask and Docker. 	May 2020 - Jun 2020
SDE Intern, Publicis Sapient Worked on the PS Smart Hire Product. Used the following skills and technologies: <ul style="list-style-type: none"> PyTorch and Tesseract for Object Detection and OCR Numpy and Pandas for Data Analysis and Manipulation Fuzzy Logic and models like BERT for text handling and NLP tasks Selenium for web automation tasks 	May 2021 - Jul 2021

PROJECTS	
Vendor Performance and Segmentation - Machine Learning Co-developed a Machine Learning model for vendor performance and segmentation in the healthcare domain. Deployed using Flask and built a Docker Image for the same.	May 2020 - Jun 2020
Object Detection in Thermal Images - Deep Learning Currently working with Dr. Jennifer Ranjani J of BITS Pilani's Computer Science Department to analyze and formulate new Deep Learning methodologies for Object(specifically pedestrian) Detection in Thermal Images for applications such as security, surveillance and self-driving cars especially in night-time conditions.	Aug 2020 - Present
Large Scale Video Classification using Deep Learning - Deep Learning Innovating novel architectures using concepts like Attention for improving performance for Human Activity Recognition and Video Classification using Deep Learning. Working under the supervision of Dr. Kamlesh Tiwari of BITS Pilani's Computer Science Department, Dr. Hari Pandey of Edge Hill University and Santosh Kumar Yadav , Ph.D. Scholar at CSIR-CEERI, Pilani.	Dec 2020 - Present
PS Smart Hire - Software Development Developed Resume Parsing solutions where text from resumes was obtained from Object Detection and OCR strategies. NLP models like BERT were used to extricate relevant information, which can be used to judge whether the candidate is suitable for the position.	May 2021 - Present
Personal Projects - Personal Worked on following open-source projects <ul style="list-style-type: none"> Large Scale Background Removal using AI Demo Personal Face Mask Detection 	May 2018 - Present

- [Python package for Optimal Clustering in Unsupervised Learning](#)

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Applied Machine Learning in Python	Coursera	University of Michigan
Neural Networks and Deep Learning	Coursera	deeplearning.ai
Convolutional Neural Networks	Coursera	deeplearning.ai
Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	Coursera	deeplearning.ai

SCHOLARSHIPS

BITS ISA Scholarship	Aug 2018
Scholarship worth 80% of tuition fees awarded to the top 4% based on merit for 6 semesters.	

TEST SCORES

TEST NAME	DATE OF EXAM	SCORE
Subject SAT		Score:2400/2400
SAT		Score:1500/1600
ISC 12th Board		Rank: 4
4th in State, 6th in Country		

EXTRA CURRICULAR ACTIVITIES

Open Source, Competitive Programming, Piano, Table Tennis, Go-Karting

LANGUAGES KNOWN

English, Hindi, Kannada, French
