

Prateek Anand

Anschrift E-602, Mahima Panache,
Sanganer, Jaipur - 302033, India

Tel. +91-9024660797

E-Mail mathurprateek2001@gmail.com

geb. April 23rd, 2001 in Jaipur



Education

2019 – 2023 Bachelor of Technology in Computer Science and Engineering with
specialization in Big Data Analytics
9.56/10 CGPA
SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India

2017 – 2018 Grade 12th
81.2%
Jaipuria Vidyalaya, Jaipur, India

2015 – 2016 Grade 10th
10/10 CGPA
Jaipuria Vidyalaya, Jaipur, India

Internships

Jul 2022 – Sep 2022 Fleksa Innovations Pvt. Ltd., Frankfurt, Germany [Remote]
Data Science Intern
Performed backend development with data analytics using AWS
personalize using machine learning for customer segmentation and
product recommendation.

Jan 2022 – Mar 2022 The Instruments Research & Development Establishment, DRDO, Ministry
of Defence, Govt. of India, India
Research Intern
Performed thermal image quality enhancement for Long Range
Surveillance using a comparative study of traditional computer vision
techniques and a deep learning based methodology with Deep Back
Projection Networks and Thermal Image CNN.

Aug 2021 – Oct 2021	SRM University and The Instruments Research & Development Establishment, DRDO, Ministry of Defence, Govt. of India, India [Remote] Research Intern Performed object detection and turbulence mitigation for Long Range Terrestrial Surveillance using traditional computer vision and techniques like frame differencing, background subtraction, morphological and other mathematical operations,
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Research experience

Aug 2022 – May 2023	AI-based Mental Health Consultation Bot (Undergraduate Project) <ul style="list-style-type: none"> Created a transformer-based chatbot on Rasa framework which detects mental illnesses with an accuracy of 93% and delivers responses corresponding to that disease using Natural Language Processing techniques like text classification, semantic matching and sentiment analysis. Presented a research paper titled "Mental Health Condition and Sentiment Based Chatbot" in International Conference On Recent Trends In Data Science And Its Applications (ICRDTA) 2023. Paper accepted for publication in IEEE Xplore
Jul 2022-Oct 2022	Classification of adulterated food grain thermal images using convolutional neural networks <ul style="list-style-type: none"> Created a CNN-based binary classifier for the detection of impure food grain samples by thermal imaging which performed at an accuracy of upto 95% Research paper accepted for ICACIS 2022 conference and publication the book titled "Advanced Communication and Intelligent Systems", a part of the Springer Book Series "Communications in Computer and Information Science".

Certifications

Aug 2023	Tableau 2022 AZ: Hands-On Tableau Training for Data Science, Udemy
Mar 2022	Deep Learning, IIT Ropar, NPTEL
Aug 2021	Machine Learning A-Z™: Hands-On Python & R In Data Science, Udemy
Aug 2021	Deep Learning and Computer Vision A-Z™: OpenCV, SSD & GANs, Udemy
Feb 2021	Data Science Specialization in R, Johns Hopkins University, Coursera

Software Skills

Operating Systems	Linux, Windows
Languages	Python, R, C++, C, SQL, HTML, JavaScript, CSS
Database and Client/Server Technologies	MySQL, MongoDB
Frameworks	Django, Flask, Rasa
Code Editors	Visual Studio Code, Jupyter Notebook, JupyterLab, PyCharm, RStudio, Code Blocks
Web Applications	Amazon Web Services, IBM Watson, Google Colab

Languages

English	CEFR C1
Hindi	C2
German	Goethe A2

Other Projects

Apr 2022	Sign Language Recognition using LSTM for sequential image processing
Mar 2022	Music Genre Classification using CNN and audio processing
Jan 2022	Web novels' characters classification using sentiment analysis with role filtering

Awards and Extra-curricular Activities

2019	Represented Student Satellite Club, SRMIST, demonstrated SRMSAT satellites at World Space Week Exhibition by ISRO, India
2019-2020	Member, SRMSAT - Student Satellite Club, Guidance Navigation & Control and Trajectory, SRM University, India
2020	Participated in Def Hacks 2.0 Hackathon and built a Student Helper Website
2016-2018	School Head Boy and Vice-Head Boy, Jaipuria Vidyalaya, India
2016	Placed 1st in Inter-School Mime Acting Competition, SMDJ High Secondary School, Jaipur, India