

Abu Shahid

Final (B.Tech)
CSE @ IIT Jodhpur
Mob.: +91-8840836373
Email.:shahid.3@iitj.ac.in
Web: ceyxasm.github.io/ceyxasm/

Links

Github: [ceyxasm](#)
LinkedIn: [ceyxasm](#)

Education

2020-2024
B.TECH. IN CSE
@ IIT Jodhpur
8.57 CPGA till 6th sem
9.37 SGPA in 6th sem

2017-2019
INTERMEDIATE
City Montessori School, Lucknow
Percentage: 98.5% CISCE

2005-2017
HIGH SCHOOL
St. Thomas College, Lucknow
Percentage: 96% CISCE

Extra Curricular

Deputy Contingent Leader
@Inter-IIT TechMeet'23 IITJ
Contingent
Student Mentor @SWC-IITJ
Core Member @LitSoc-IITJ
Initiator @Suckoon
PR Head @Prometheo'23
Cybersecurity Lead @GDSC-IITJ
Scrabble Rep. @Inter-IIT Cult Meet

Coursework

Computer Vision
Embedded Systems
Computer Networks
Cybersecurity
Data Structures and Algorithms
Operating System
Database Management Systems
Computer Architecture
Signals and Systems
Probability, Stats, Stochastic
Processes
Pattern Recognition and ML
Calculus I & II
Maths for Computing
Digital Design

Projects

Indic OCR 2023 Jan- Present
Optical Character Recognition (OCR) with focus on handwritten Hindi text. Currently pioneering the implementation of Permuted Autoregressive Sequence Models. Demonstrated outstanding results with validation label accuracy of 91% and character accuracy of 97%.
Link.: [Web](#)

Feature-based Image Stitching Benchmark 2023 Jan- 2023 March
Proposed method: Feature extraction, matching, blending stages. Evaluated on Google Landmarks and custom dataset using objective and subjective metrics (accuracy, speed, visual quality).
Link.: [Github](#)

ISRO (Inter-IIT TechMeet)-Solar Bursts Recognition 2022 Feb- 2022 March
Statistical learning model and a web-based application was created to detect and categorize X-ray bursts using open-source technologies. Achieved 95% accuracy for all categories except A-class flare.
Link.: [Github](#)

Histopathologic Cancer Detection 2022 Jan- 2022 May
Performed exploratory data analysis; various machine learning models were trained and a web-based application was created to detect whether tumor is benign or malignant in nature.
Links: [App](#) ; [Report](#)

Experience

Decimal Point Analytics- Data Science Intern 2023 May- 2023 July
Developed cutting-edge OCR models, integrated specific pipelines into a unified system, and significantly improved recognition of financial document special characters.

NCVPRIPG'23- Challenge Organizer 2023 Jan- 2023 July
Organized 'Summer Challenge on Writer Verification' @ NCV-PRIPG'23. Led project from data creation to model baseline. Conference paper upcoming.
Link: [site](#)

Anonymizer Hackathon- Silver Medalist 2023 Mar- 2023 Aug
Came second among 500+ teams in the hackathon organized by Govt. of West Bengal. Gave solutions for surveillance video and natural document anonymization.

Teaching Assistant- Introduction to Machine Learning July- Dec '22&'23
As a TA for the course, I was instrumental in supporting students' learning. In addition to clearing their doubts and preparing lab questions, was part of weekly lab sessions and addressed their doubts.

Microsoft- Cyber Security Engage Mentee 2022 May- 2022 June
Learned firsthand from Security professionals; grasped industry level security practises. Proposed Cyber Deterrence Architecture for critical infrastructures of India.
Link.: [Deterrence of Cyber Attack on Indian Oil \[Report\]](#)