

# Abu Shahid

Sophomore (B.Tech)  
CSE @ IIT Jodhpur

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## Links

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

## Education

2020-2024  
B.TECH. IN CSE  
@ IIT Jodhpur  
8.7 CPGA till 3rd sem

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

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

## Skills

OS  
GNU/Linux, Windows  
LANGUAGES  
C++, Java, Python, Javascript  
FRAMEWORK  
React.js Node.js Express.js  
DATABASES  
MySQL, PostgreSQL, MongoDB  
OTHERS  
Markdown, Git, GitHub,  
LATEX rt, VSCode,  
Tensorflow, DaVinci Resolve

## Coursework

Data Structures and Algorithms  
Signals and Systems  
Quantum Information Processing  
Probability, Stats, Stochastic Processes  
Pattern Recognition and ML  
Calculus I & II  
Maths for Computing  
Digital Design  
Software Engineering

## Experience and Projects

**ISRO- Automatic Identification of Solar Bursts** **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.  
Link.: [ISRO\\_XSM\\_Analyser](#)

*Python, Astropy, Numpy, Flask*

**PRML- Histopathologic Cancer Detection** **2022 Jan- 2022 May**  
Exploratory data analysis was performed and various machine learning models were trained and a web-based application was created to detect whether tumor is benign or malignant in nature.  
Link.: [Histopathologic Cancer Detector](#)  
Link: [Report](#)

*Python, CNN, PCA, Streamlit*

**QML- Undergraduate Research in Quantum ML** **2021 Aug- 2021 Dec**  
Research project under Prof. V. Narayanan @IIT Jodhpur. Variational Quantum-Classical Algorithms were implemented and their possible use case in Machine Learning was explored.  
Link.: [Project Paper](#)  
Link.: [Quantum Computing Implementations](#)

*python, pyTorch, qiskit, IBMq, QASM Simulator*

**BrainChild** **2021 Feb- 2021 April**  
A web-application for automatic face detection using public APIs.  
Link.: [Brain\\_Child](#) *React.js, Node.js, PostgreSQL, Clarifai API*

**PSSP** **2021 Nov- 2022 Jan**  
The project was made as a part of exploration of subject matter learned during Probability, Stats and Stochastic Processes course.  
Link.: [PSSP](#) *python, numpy, jupyter notebook*

**Signal Processing** **2021 May- 2021 July**  
The project was made as a part of exploration of subject matter learned during Signals and Systems Course. De-noising and de-blurring techniques were explored under this.  
Link.: [Signal System](#) *Python, Signal Processing*

## Certifications

**NVIDIA DLI** Fundamentals of Deep Learning  
**NVIDIA DLI** Transformer based NLP Applications  
**MATLAB** Onramp

## Extra Curricular

> **Student Mentor** @Student Well-being Committee, IIT Jodhpur  
> **Core member @LitSoc** , Literature Society IIT Jodhpur  
> **Core member @Nexus** , Science Society IIT Jodhpur  
> **AIR 2797**, JEE Advanced 2020