

Ajay T Shaju

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Skills

Programming Languages:	Python, C
Operating Systems:	Windows, Linux
Libraries/Frameworks:	Numpy, TensorFlow, Pandas, Matplotlib, OS, Open-CV, Tkinter
Technical Tools:	Visual Studio Code, Jupyter Notebook, MS Office Apps, G-Suite Apps, Photoshop, Figma
Interpersonal Skills:	Communication, Empathy, Sociability, Persuasion, Active Listening
Analytical Skills:	Problem Solving, Observation, Decision Making
Management Skills:	Trello, Notion, Time Management, Leadership, Patience

Projects

Violence Detection from Videos (using Attention Mechanism)	August 2023 - May 2024
B.Tech Main Project	Source Code - GitHub
<ul style="list-style-type: none">Developed a custom <i>neural network</i> to detect violence in videos using TensorFlow Deep Learning frameworkUsed a functional approach for building the neural network and combined LSTM with CNN (with attention mechanism) for efficiency.	
Marks2CSV: A tool to convert marks in answer sheets to CSV format using OCR	January 2023 - June 2023
B.Tech Mini Project	Source Code - GitHub
<ul style="list-style-type: none">Addresses the time-consuming task of mark data entry of our teachers in the collegeDeveloped and deployed a customized software solution that digitized teacher's mark data entry process, resulting in time savings of 5+ hours per week and increased data accuracy by 98%Accepted and Presented at 1st International Conference on Trends in Engineering Systems and Technologies (ICTEST24) organized by GMEC, Thrikkakara, Ernakulam. Kerala, India	
Emotion2Emoji: A system to predict and display emojis based on the facial emotion	January 2024 - February 2024
Personal Project	Source Code - GitHub
<ul style="list-style-type: none">A Computer Vision app that makes people smile, and express themselves.Used a combination of high-end deep learning librariesSystem responds to the emotional changes in the user's face in near real-timeCan detect emotions of multiple faces simultaneously	

Job Simulations

JPMorgan Chase & Co. Agile Job Simulation on Forage	August 2024
<ul style="list-style-type: none">Drafted eight user stories using Trello and prioritized them(Story Points) by estimating the relative level of effort required.Ran the Scrum team's daily standup to effectively plan the day and energize the team members.Conducted a sprint review to gather feedback on the Scrum's work and a sprint retrospective to align on opportunities for improvement in future sprints.	

Education

CGPA	Bachelor of Technology (Artificial Intelligence & Data Science, AD), St. Joseph's College of Engineering	2020 - 2024
7.8/10	& Technology (APJAKTU), Choondacherry, Kottayam, Kerala, India	
84%	Higher secondary, Sanjos Senior Secondary School, Choondacherry, Kottayam, Kerala, India	2020
85%	Matriculation, Sanjos Senior Secondary School, Choondacherry, Kottayam, Kerala, India	2018

Certificates

2023	British Council English Score Certificate , Core Skills CEFR C1 (539) and Speaking CEFR B2 (428)	British Council
2023	Deep Learning with MATLAB , Advanced Deep Learning Course using MATLAB	MathWorks
2023	Deep Learning Onramp(MATLAB) , Introduction to Deep Learning with MATLAB	MathWorks
2022	Python For Data Science , Intermediate course to do Data Science with Python	NPTEL IIT-M India
2021	Joy of Computing Using Python , Introduction to Python Programming	NPTEL IIT-M India

Achievements

2023-24	Medium Website , Technical Blogs	Author
2020-24	Talks on AI & DS , Various programs conducted across college(Offline & Online)	Certificates
2022-23	IEDC Summit '22, ASTHRA '22-23 , Annual Entrepreneurship Summit/College Technical Festival(National Level)	Designer

Languages

Malayalam	Native proficiency (Mother Tongue)
English	Professional proficiency (CEFR Tested)