



DEVRAJSINH SHRIPALSINH JHALA

ACADEMIC DETAILS			
M.E. Computer Science	BITS Pilani - Goa Campus	8.16 CGPA	2026
Pandit Deendayal Energy University (UG)	Pandit Deendayal Energy University	9.6 CGPA	2024
Gujarat Secondary Education Board (GSEB) (CLASS XII)	A-ONE SCHOOL	77 %	2020
Gujarat Secondary Education Board (GSEB) (CLASS X)	A-ONE SCHOOL	92.5 %	2018
WORK EXPERIENCE			
Thinkbyte AI AI Software Developer Intern	Developed LangChain -based models for SEO and content writing ; built an SEO lead generation product using SerperAPI and ChatGPT API; optimized company website performance and SEO based on Google Search Analytics		Apr 2024 - Jul 2024
India Meteorological Department Radar Research Intern	Contributed to rainfall estimation using a customized <b>dynamic Z-R relationship</b> for Bhopal ; visualized and segmented clouds from radar images for rainfall estimation using the <b>Marshall -Palmer Equation</b> ; developed a function to <b>calculate wind velocity</b> within radar range .		Jun 2023 - Aug 2023
PROJECTS			
SNR Prediction in 2-D NoC using ML	Designed and implemented a Graph Neural Network model for Signal-to-Noise Ratio (SNR) prediction in 2-D Network-on-Chip (NoC) architectures , optimizing communication reliability and performance .		Mar 2025 - May 2025
ResearchPlots	Developed and published a Python library on PyPi that simplifies the creation of publication -ready charts , graphs , and data visualizations , specifically tailored for targeted academic journals such as IEEE and Springer LNCS .		Dec 2024 - Jan 2025
COMPETITIONS			
Logithon 2025 Hackathon	We won the national level hackathon organized by Softlink and IIT Bombay . We developed a rapid compliance checker that flagged whether the item is suitable for export or not akin to restrictions in international trade . <a href="#">Link</a>		Mar 2025
PUBLICATIONS			
Early prediction of down syndrome using deep transfer learning -based approaches   Journal name: International Conference on Next Generation Computing and Information Systems Publication date: Jul 15, 2024 Investigated early detection of Down Syndrome using Convolutional Neural Networks (CNNs) and transfer learning on a Kaggle dataset of <b>3,000 facial images</b> ; achieved over <b>95% accuracy</b> , demonstrating the effectiveness of transfer learning for reliable detection .			
Non-contact Inspection of Electrically Discharged Materials Using Machine Learning   Journal name: Advances in Manufacturing and Materials Publication date: Jul 11, 2024 Proposed a non-contact method for inspecting electrically discharged materials using machine learning ; evaluated three regression algorithms on a self-made augmented dataset , with <b>KNN</b> achieving the best performance ( <b>MSE: 0.00157 , R: 0.99</b> ) .			
POSITIONS OF RESPONSIBILITY			
Core Team Web Development PDEU ACM Student Chapter	Developed a full-fledged web application for the ACM Student Chapter in <b>3 days</b> using Next.js, TailwindCSS, and TypeScript with SanityCMS for backend ; achieved perfect Lighthouse scores for SEO and performance .		Jun 2023 - Present
BASIC INFORMATION			
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