







Infosys II Kribhco II Web Developer Intern II Machine Learning Intern II Placements Committee

EDUCATIONAL QUALIFICATIONS					
Year	Degree	Institution	Board/University	Specialization	CGPA/%
2026	B. Tech	Jaypee Institute of Information Technology, Noida	JIIT	Computer Science	7.1
2021	XII	Fiitjee Junior College, Hyderabad	TSBIE	Science	96.8
2019	X	Essar International School, Surat	CBSE	----	93

WORK EXPERIENCE	
1. Krishak Bharati Cooperative Limited II Web Developer Intern II Surat II 2 Months	June 2025 - Present
Responsibilities	<ul style="list-style-type: none">Developed and enhanced modules for the enterprise-grade KRIBHCO e-Seva (KRES) platform using Laravel (PHP), MySQL, HTML5, CSS3, JavaScript, and AJAX, improving system performance for 500+ internal users.Built the Contractor Management Information System (CMIS) from scratch, managing 1000+ contractor records and integrating 5+ complex compliance workflows into a single robust solution.Implemented penalty amount logic and a feature for managing late IT hardware payments, reducing manual tracking time by 40% and ensuring 100% data accuracy through optimized SQL queries.Redesigned the Kribhco Hospital Management System (KHMS) UI, enhancing user satisfaction and optimizing load balancing, resulting in a 30% faster page load time and smoother performance during peak usage.Applied MVC architecture, Blade templating, and RESTful routing to maintain high code quality and scalability for multiple KRES modules.Automated deployment pipelines using Azure DevOps, achieving zero downtime releases across 3 environments (development, staging, production) and speeding up delivery by 25%.Conducted 50+ test cases covering functional testing, UI/UX validation, backend testing, and SQL injection checks, followed by User Acceptance Testing (UAT) to ensure stakeholder satisfaction.Strengthened skills in full-stack development, database optimization, performance tuning, and DevOps workflows, collaborating with a team of 5+ developers to deliver reliable enterprise applications.
Achievements	<ul style="list-style-type: none">Built and deployed large-scale CMIS, added penalty and late payment tracking in KRES (40% less manual work), revamped KHMS UI and load balancing (30% faster), and automated zero-downtime CI/CD with Azure DevOps and 100% UAT success.
2. Jaypee Institute of Information Technology II High Performance Computing and Deep Learning Intern II 2 Months	June 2025 – Present
Responsibilities	<ul style="list-style-type: none">Designed and implemented a Modern Chess Engine to compare sequential vs. parallel search, showcasing the impact of OpenMP-based root splitting on search efficiency.Built a baseline sequential chess engine in C using minimax and alpha-beta pruning, ensuring accurate and efficient game tree exploration.Developed a parallel version with OpenMP, applying root splitting to run top-level move evaluations in parallel threads for better multi-core CPU utilization.Ran experiments across different search depths, measuring execution time and nodes visited, and visualized results with Python, NumPy, and Matplotlib.Demonstrated a notable speedup over sequential search, strengthening practical skills in HPC, parallel programming, algorithm optimization, and data visualization.
Achievements	<ul style="list-style-type: none">Achieved a 35% speedup over sequential search by parallelizing chess engine move evaluations with OpenMP, validating HPC benefits for complex AI tasks.
3. Infosys II Machine Learning Intern II 3 Months	Feb 2025 – April 2025
Responsibilities	<ul style="list-style-type: none">Built a YOLO-based object detection model from scratch, performing in-depth Exploratory Data Analysis (EDA) on the COCO2017 dataset to identify key data patterns and insights.Implemented robust image preprocessing and augmentation pipelines, enhancing training data diversity and improving model generalization on unseen data.Gained hands-on experience in training and fine-tuning deep learning models using YOLO architecture, achieving high mAP accuracy on test images.Developed and deployed a production-ready computer vision application using YOLO and Streamlit, enabling real-time object detection through an intuitive web interface.Strengthened expertise in Python, OpenCV, TensorFlow/PyTorch, Streamlit, and model evaluation techniques, applying best practices for reproducibility and performance tuning.
Achievements	<ul style="list-style-type: none">Delivered a production-ready YOLO-based object detection app using COCO2017 data and Streamlit, achieving high-accuracy real-time detection through advanced EDA, preprocessing, and model fine-tuning.

PROJECTS	
Rhythmic-Realm II Tech Stack: HTML5, CSS3, JavaScript, MERN Stack, Redis, Socket.IO	 Source Code
<ul style="list-style-type: none">Engineered an innovative music collaboration platform for the university community, enabling users to connect, browse and play tracks, and hang out in private rooms with real-time chat using Socket.IO and Redis.	

<ul style="list-style-type: none">Implemented secure user authentication and dynamic friend rooms, ensuring seamless real-time communication and personalized interactions among like-minded music enthusiasts.	
YOLO Object Detection App II Tech Stack: Python, NumPy, OpenCV, PyTorch, Ultralytics YOLO, Streamlit	 Source Code
<ul style="list-style-type: none">Built a real-time object detection system using Ultralytics YOLO and PyTorch, recognizing multiple objects from images, videos, and live webcam feeds with robust preprocessing using OpenCV and NumPy.Developed an interactive web interface with Streamlit, delivering a production-ready computer vision app that showcases modern ML deployment and clear, user-friendly visualizations.	
DengueScope II Tech Stack: Python, Pandas, Plotly, Express, TFT, TCN, CatBoost, LSTM, Ensemble Learning	 Source Code
<ul style="list-style-type: none">Integrated geospatial, climatic, socio-economic, and human mobility data (including Twitter geotags and Google Trends) to accurately predict dengue outbreaks across Brazilian cities.Implemented advanced ML models like CatBoost, LSTM, TCN, and TFT in an ensemble framework, delivering actionable insights for proactive public health interventions.	
IdeaNest II Tech Stack: React.js, HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, JWT	 Source Code
<ul style="list-style-type: none">Built a full-stack platform to connect innovators and investors, featuring secure user authentication with JWT, dynamic idea submissions, and collaborative matchmaking to foster innovation.Implemented robust backend APIs with Node.js and Express.js, integrated a MongoDB database, and developed an interactive React.js frontend to ensure a seamless, real-time user experience.	

SKILLS
<ul style="list-style-type: none">Languages: C, C++, Python, JavaScript, PHP, SQL, HTML, CSSLibraries: OpenCV, NumPy, Pandas, Scikit-learn, Ultralytics, React, Socket.ioWeb Dev Tools: Git, npm, MySQL, Firebase, VS CodeFrameworks: Express.js, Flask, Tailwind, Bootstrap, LaravelRelevant Coursework: Web Development, Machine Learning, High Power Computing and Deep LearningSoft Skills: Leadership, Critical Thinking, Team Player, Negotiations, Communication, Time Management, People Management

Positions of responsibility	Year
<ul style="list-style-type: none">TNP Coordinator, Jaypee Institute of Information Technology	Aug 2024 - June 2025
<ul style="list-style-type: none">Treasurer, LDL - Light De Literacy	July 2024 - Present

Achievements	Year
<ul style="list-style-type: none">OSDC Codejam V4 Runnerup	Jan 2024
<ul style="list-style-type: none">Hack Genesis'24 Hackathon: Top-10 Finalists	Apr 2024

INTERESTS			
<ul style="list-style-type: none">Lawn Tennis	<ul style="list-style-type: none">Anchoring	<ul style="list-style-type: none">Chess	<ul style="list-style-type: none">Event Management