



EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech (AIDS)	Indian Institute of technology Jodhpur	8.61/10.0	2023 - 2027
Senior Secondary	ISC Board	90.5%	2023
Secondary	CBSE Board	94%	2021

EXPERIENCE

Backend Developer <i>Face Recognition Attendance System</i> <ul style="list-style-type: none">Developed and deployed a facial recognition-based attendance system using Ionic and Node.js, integrating Hugging Face APIs for AI-driven recognition, enabling 5 organizations to implement the solution within 3 months and achieving 99% accuracy.Optimized backend performance, reducing real-time processing latency by 30% and ensuring seamless integration with cloud databases, leveraging modern web technologies and frameworks for efficient operation.	<i>IIT Jodhpur</i> Aug 2024 - Dec 2024
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PROJECTS

Social Network Manager <i>C++, Pragma Parallel Computing, Graph Algorithms</i> <ul style="list-style-type: none">Engineered a high-performance social network analysis tool for 200+ users, leveraging parallel computation, reducing processing time by 30% and memory usage by 40%.Constructed a unique data structure specifically for graph storage, which improved algorithmic performance and reduced computational time by 30% for centrality measures, facilitating quicker insights for data-driven strategies.Enhanced influencer detection accuracy by 15% and boosted community clustering precision by 25%, leading to a 35% increase in user engagement.	Aug 2024 - Nov 2024 GitHub
DSSLM <i>NumPy, Pandas, PyTorch, Deep Learning</i> <ul style="list-style-type: none">Designed and implemented an innovative custom NLP solution with PyTorch that increased inference execution speed by 30%, streamlining data analysis workflows and providing faster insights into user interactions.Enhanced data preprocessing pipeline, improving accuracy by 20% and cutting training time by 15%.Presented to VP of BlackRock, demonstrating cost savings in financial decision-making models.	May 2024 - Nov 2024

KEY COURSES TAKEN

Data Structure and Algorithms(A-), Introduction to Computer Science(A), Linear algebra and Differential Equations(A), Probability Statistics and Stochastic processes(A-), Principles of Computer Systems I, Principles of Computer Systems II, Pattern Recognition and Machine Learning, Math For computing
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TECHNICAL SKILLS

Programming: C/C++, Python, JavaScript, Java, TypeScript
Tools & OS: Git, GitHub, Google Colab, Windows
Libraries/Frameworks: Pandas, Numpy, scikit-learn, TensorFlow, Express.js, React
Web Skills: HTML5, CSS, Tailwind CSS, JavaScript, Express.js, React.js, MongoDB

POSITIONS OF RESPONSIBILITY

Student Guide , Student Wellbeing Committee <ul style="list-style-type: none">Mentor 13 freshmen, providing guidance on academics, social life, and campus integration while assisting with personal and academic challenges.Coordinated and executed orientation activities, engaging over 500+ new students in interactive sessions designed to foster community connections and ensure seamless integration into the IITJ culture.	Jun 2024 - Present
Assistant Head , Prometeo IIT Jodhpur <ul style="list-style-type: none">Led the planning, execution, and on-ground conduct of Robowars, overseeing 100+ participating members, ensuring seamless operations, technical oversight, and participant coordination.	Oct 2024 - Jan 2025