

EDUCATION		
Bachelor of Computer Applications (BCA) Artificial Intelligence 2023 - 2026	Bennett University University in Greater Noida, Uttar Pradesh	9.85 (cgpa)
Senior Secondary Education (Class 12th)	St. John’s School, Marhauili, Varanasi, ICSE	92.2 %
Secondary Education (Class 10th)	St. John’s School, Marhauili, Varanasi, ICSE	91.5 %
PROFESSIONAL EXPERIENCE		
Indian Institute of Technology (IIT) - Banaras Hindu University (BHU), Artificial Intelligence Intern June 2024 to July 2024		
Project Experience	<ul style="list-style-type: none">Contributed to an advanced Object Detection project utilizing YOLO v8, applying state-of-the-art AI technologies and methodologies.Enhanced expertise in computer vision and machine learning, while focusing on the development and optimization of cutting-edge models for real-time object detection. Gained hands-on experience with deep learning frameworks, data preprocessing, and model evaluation.	
Other Responsibilities	<ul style="list-style-type: none">Demonstrated leadership by coordinating efforts within the team, ensuring timely completion of tasks, and maintaining high-quality standards in project deliverables.Assisted in preparing research papers related to the project, contributing to sections on methodology, data analysis, and results, with a focus on achieving publication-worthy quality.	
SKILLS		
Programming languages and frameworks	C++, Python, Java, TensorFlow, PyTorch, Hugging Face	
Artificial Intelligence & Machine Learning	<ul style="list-style-type: none">Deep Learning: Expertise in building and optimizing Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Long Short-Term Memory (LSTM), and Transformers for various AI applications.Natural Language Processing (NLP): Proficient in using BERT, Hugging Face, and RAG for text analysis and language models.Model Optimization & Fine-Tuning: Skilled in hyperparameter tuning, model optimization, and fine-tuning to improve model accuracy and efficiency.	
Data Structure and Algorithms (DSA)	<ul style="list-style-type: none">Strong knowledge of data structures, algorithms, and problem-solving using C++ and Python.	
Certifications	<ul style="list-style-type: none">Supervised Learning: Regression and Classification - Stanford UniversityApplied Data Science with Python Specialization - University of MichiganMachine Learning: Clustering & Retrieval - University of WashingtonIntroduction to Computers and Operating Systems and Security - MicrosoftOperating Systems and You: Becoming a Power User – Google	
COURSEWORK		
Academic Projects	<ul style="list-style-type: none">Women's Safety App: Ranked 13th in Smart BU Hackathon for developing a women's safety app with real-time threat detection, SOS alerts, and safe zone identification using TensorFlow and OpenCV.Captain’s Chase: Created a 2D platformer game inspired by Super Mario using Python and Pygame with hand-drawn graphics and animations.Gender Recognition System: Developed a machine learning-based gender recognition system for real-time gender classification using Applied Machine Learning.Aasha: Built an online educational platform for rural students offering learning resources and interactive maps using HTML and CSS.	
LEADERSHIP EXPERIENCE		
Positions of Responsibility	<ul style="list-style-type: none">Head of Core Research Division (CRD) at Bennett Undergraduate Research Society (BURS)	
AWARDS & PUBLICATIONS		
Research papers	<ul style="list-style-type: none">"Advancement in Generative AI for Supply Chain" – Elsevier SSRN, Sep 2024 Explores how Generative AI transforms supply chain management by optimizing demand forecasting, inventory management, and supply chain processes, offering businesses a competitive edge through advanced predictive insights and data generation."FViT: Finetuned Vision Transformer for Improved Brain Tumor Classification"- Nit Raipur Introduces a fine-tuned Vision Transformer (FViT) model for the early and accurate diagnosis of brain tumors using MRI images, achieving exceptional diagnostic accuracy (99.68%) and F1-score (99.68%) with superior performance over other models like ResNet50, VGG16, and LSTM.	
Other Achivements	<ul style="list-style-type: none">Dean's List Award - Bennett University (2023 & 2024) Recognized twice for exceptional academic performance and maintaining top grades.Ranked 13th in Smart BU Hackathon for developing an innovative women safety app featuring real-time threat detection, location tracking, and safe zone identification.Smart India Hackathon (SIH), worked on coal mine shift-changing automation techniques to develop impactful real-world solutions.	