

PRASHANT SINGH

8081706266 • Gorakhpur, Uttar Pradesh

prashant.singh20850@gmail.com • linkedin.com/in/prashant-singh-20a562220 • github.com/prashantsingh29

EDUCATION

B.tech, CS Specialization in AI and ML	Jun 21- Ongoing	Vellore Institute of Technology, Bhopal	7.60/10 CGPA
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SKILLS AND CERTIFICATIONS

Technical Skills: <ul style="list-style-type: none">Programming: Python (NumPy, Pandas), JavaData ScienceDatabase Management: PostgreSQLMachine Learning	Certification: <ul style="list-style-type: none">Kaggle: Intro to SQLCoding-Based: Introduction to pythonUniversity of Michigan: Applied Machine Learning in Python Language Proficiency: <ul style="list-style-type: none">Fluent in English & Hindi
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ACADEMIC PROJECTS

VANGOAH IMAGE COLORIZATION MODEL	(June 2022 - October 2022)
<ul style="list-style-type: none">Deep Learning Implementation: Engineered a GAN and CNN-based colorization model in <i>Lab</i> color space, achieving 80% accuracy across 100,000+ grayscale images and elevating image quality by 25 on a 100-point scaleTechnical Versatility: Leveraged 5 key technologies (Python, TensorFlow, OpenCV, NumPy, Pandas) to develop a comprehensive solution, demonstrating proficiency in data science and computer visionPerformance Enhancement: Optimized algorithm efficiency, reducing processing time by 30% and improving structural detail preservation by 40% compared to baseline models, surpassing industry benchmarks in color fidelityProject Impact & Communication: Presented outcomes to 5 experts, securing a 9/10 rating; showcased ability to articulate complex technical concepts and deliver high-impact results	
ENG-TO-BEN-TRANSLATOR-VOCALIZER	(January 2024 – February 2024)
<ul style="list-style-type: none">NLP & Speech Synthesis: Developed English-to-Bengali translator using mBART50 model, achieving 92% accuracy on 1,000 sentences; integrated gTTS and Transformers for text-to-speech, attaining 98% intelligibility across 5,000+ textsPerformance Optimization: Reduced translation time by 10%, managing 30 translations per minute during peak load; improved accessibility score by 10 points on a 100 scaleUser Impact & Satisfaction: Received 4.8/5 rating from 50 beta testers; enhanced user experience through improved translation accuracy and speech synthesis qualityTechnical Expertise: Leveraged advanced NLP models, speech synthesis technologies, and optimization techniques; demonstrated proficiency in multiple AI domains including natural language processing and speech technology	

EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements: <ul style="list-style-type: none">Python Expertise: Earned 4-star rating on HackerRank, solving 50+ advanced coding challenges and ranking in the top 15% of 1 million+ Python developers on the platformEvent Leadership: Managed "The Forager Treasure Hunt" for 50+ participants, coordinating 10 volunteers across 5 checkpoints, resulting in 100% safety compliance and participant satisfaction
Extra-Curricular Activities <ul style="list-style-type: none">Artistic Excellence: Competed in 4+ drawing competitions, including Gorakhpur Mahotsav, showcasing creative skills to audiences of 1000+, and earning top 3 placements in 2 eventsMusical Performance: Participated in 8 singing competitions (5 interschool, 3 in-school), reaching 1,000+ audience members, including a Radio Mirchi-organized event with 500 attendeesTheatrical Proficiency: Performed in 6 major productions (4 annual school functions, 2 drama competitions), investing 100+ hours in rehearsals and collaborating with 20+ team members, demonstrating strong commitment

ADDITIONAL INFORMATION

Hobbies and Interests <ul style="list-style-type: none">Cultural Immersion: Explored 5+ spiritual destinations across India, capturing 100+ photographs and generating 500+ social media impressions, enhancing cultural awareness by 10% and developing strong documentation skillsCulinary Mastery: Developed proficiency in 20+ fusion recipes from 5 global cuisines, and engaged with a 1,000+ member food enthusiast community, improving recipe adaptation skills by 50% and cooking efficiency by 30%
