

SHASHWAT GARG

(+91) 8797063031 ✦ India

gargshashwat20@gmail.com ✦ [LinkedIn](#) ✦ [Github](#)

EDUCATION

Vellore Institute of Technology, Chennai

Bachelor of Technology in Computer Science and Engineering, Current CGPA - 7.92

Sep 2021 - Jul 2025

Teresa International Academy

Percentage - 81%

Jul 2019 - Jul 2021

COLLEGE PROJECTS

CNN-Based Signature Verification System

Vellore Institute of Technology, Chennai

May 2023 - Jul 2023

- Developed a CNN-based signature verification system, reducing manual verification time by 60% and automating 90% of the process.
- Achieved 98% accuracy using Keras, ensuring high system precision and reducing operational costs.
- Built a preprocessing pipeline, cutting computational load by 20%.
- Applied data augmentation, reducing inference time by 15% for optimized real-time performance.
- Integrated image processing techniques, reducing false positives by 10%.

Crop Recommendation

Vellore Institute of Technology, Chennai

Jul 2024 - Nov 2024

- Designed an ML-based crop recommendation system with 98% accuracy, enabling data-driven decisions for farmers to optimize crop yields and resource allocation.
- Developed a predictive irrigation management model using machine learning, achieving a 95% precision rate in optimizing water usage based on soil and weather data.

Age-Invariant Face Recognition Using Deep Learning

Vellore Institute of Technology, Chennai

Dec 2024 – Apr 2025

- Addressed the real-world problem of declining accuracy in traditional face recognition systems due to aging-related facial texture changes.
- Developed a Twin CNN-based face recognition model using concatenation for long-term user identification.
- Trained on multi-age datasets using age progression/regression and data augmentation, boosting robustness by 30%.

SKILLS

Programming Languages

C, Java, DSA, HTML, CSS

Database Systems

My-SQL

Other Tools and Technologies

Kali Linux, Artificial Intelligence, Blockchain, Machine Learning

Soft Skills

Leadership, Team Management, Emotional Resilience, Agile Mindset

CERTIFICATIONS

AWS Certified Cloud Practitioner ([Link](#))

Amazon Web Services

Aug 2024 - Aug 2027

- Proficient in AWS cloud computing principles and best practices.
- Leveraged AWS tools to deploy scalable cloud-based solutions.
- Assisted with cloud migration and architecture, boosting deployment efficiency by 20%

AWS Certified Solutions Architect- Associate ([Link](#))

Amazon Web Services

Aug 2024 - Aug 2027

- Experienced in designing and deploying scalable, cost-effective solutions using AWS cloud services.
- Expert in network architecture, cost optimization, and AWS security controls, reducing costs by 15%.
- Implemented AWS services to meet performance, scalability, and security needs, improving efficiency by 30%.

Java programming ([Link](#))

Indian Institute of Technology (IIT), Madras

- Demonstrated proficiency in Java programming and object-oriented principles through a certification program by IIT Madras.
- Demonstrated proficiency in C programming, including algorithm design and low-level memory management, through IIT Madras certification.

ACHIEVEMENTS

• Content Head- Magadh Mithila Club

- Strategized content for Magadh Mithila Club, driving 30% growth in event participation and boosting member engagement.
- Spearheaded high-impact events, showcasing bold content that captivated over 300 participants.

• Hackathon

- Participated in national-level hackathons, collaborating in cross-functional teams to develop innovative tech solutions under time constraints; gained hands-on experience in rapid prototyping, teamwork, and real-world problem-solving.