

SHIVANG

Chandigarh, India | +91-7042258481 | vats.jshivang@gmail.com | [GitHub](#) | [LinkedIn](#) | [Projects](#)

Computer Science student specializing in AI, ML, and NLP with hands-on experience in model development, optimization, and deployment. Published research in Generative AI and Image Captioning. Proficient in Python, PyTorch, TensorFlow, and AI-driven automation. Strong problem-solving, collaboration, and analytical skills.

Education

Bennett University – B.Tech in Computer Science (AI/ML) (2022 – Present)

Professional Experience

Cisco Virtual Internship Program (2024) - [Certificate](#)

- Configured and secured enterprise networks, optimizing performance and reliability.
- Integrated wireless routers and enhanced network security protocols.

Projects & Research

Complaint Categorization using Image Captioning & Generative AI [EfficientNet-B0, Swin Transformers, GenAI]

- Developed an AI-driven system leveraging image captioning for automatic complaint classification.
- Implemented deep learning models for real-time complaint analysis.
- Presented research paper at a reputed ICICC-2025, showcasing advancements in AI-driven automation. [Certificate](#)

Mental Health Chatbot [ML, DL, NLP, Chatbot Development, Text Preprocessing]

- Engineered an AI-powered chatbot using rule-based, retrieval-based, and generative AI techniques.
- Integrated NLP models for improved conversational understanding and high response accuracy.

Unified Hands – AI-Powered Community Support Platform [CNN, JavaScript, Nodejs]

- Developed an AI-based web app for social impact initiatives, leveraging image and text analysis.
- Improved resource allocation efficiency through AI-driven automation and intelligent recommendations.

Appointlet [Java Server Pages]

- Designed an intelligent scheduling system to minimize patient wait times.
- Led a team in developing an AI-driven check-in system for healthcare optimization.

Certifications

- Fundamentals of Deep Learning – Nvidia [Certificate](#)
- IBM Machine Learning – Coursera [Certificate](#)
- Natural Language Processing with Probabilistic Models – Coursera [Certificate](#)
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization – Coursera [Certificate](#)
- Sample-based Learning Methods – Coursera [Certificate](#)
- Foundational C# with Microsoft- Freecodecamp [Certificate](#)

Skills

- Languages: Python, C++, Java, MySQL, C#
- Frameworks & Libraries: PyTorch, TensorFlow, Keras, Scikit-Learn, OpenCV
- Specializations: Machine Learning, Deep Learning, NLP, Generative AI, AI Model Optimization
- Tools & Platforms: Git, Google Colab, Jupyter Notebook
- Soft Skills: Problem-Solving, Adaptability, Collaboration, Analytical Thinking, Communication

Languages

English (Fluent) | Hindi (Native)