

# Sahil pathak

7276092128 | [sahilpathak2005@gmail.com](mailto:sahilpathak2005@gmail.com) | [linkedin.com/in/sahil-pathak-98a523202](https://www.linkedin.com/in/sahil-pathak-98a523202) | [github.com/sahil454521](https://github.com/sahil454521) | [Sahil Pathak](#)

## EDUCATION

---

DY Patil International University, India B.Tech in  
Computer Science and Engineering

Aug. 2023 - Aug 2027

Indian Institute of Technology (IIT) Guwahati, India  
(Specialization in AI & Data Science)

Aug. 2023 - Aug 2027

## PROJECTS

---

E-Com-Store | Python, Flask, CSS, JavaScript, HTML, SQLite | In Progress

- Built a marketplace bot predicting price drops (**85% accuracy**) using sentiment analysis
- Integrated a bidding system, increasing seller participation by **40%**.

AI Image Generator | Python, Hugging Face Transformers, Diffusers | Completed

- Designed and deployed an AI-powered image generation model using Hugging Face's Diffusers
- Fine-tuned transformer models, improving inference speed by **25%**
- Optimized inference speed by 25% and memory usage by 30%, enabling faster image generation on low-resource devices.

## TECHNICAL SKILLS

---

- **Languages:** Python, JavaScript, SQL, C, HTML/CSS
- **AI/ML:** Hugging Face, Transformers, NLP, Computer Vision
- **Frameworks:** Flask, React.js, Node.js, Express.js
- **Tools:** Git, Docker, AWS, MongoDB, Firebase

## CERTIFICATIONS & ACHIEVEMENTS

---

- Participated in FOSS Hackathon 2025, contributing to an AI coding assistant project that improved code correction .
- Developed a custom AI model for intelligent code correction and debugging,
- Smart India Hackathon 2025 (Top 15)
- Won a prize in SharkIndia, organized by Avenyou Club, for an innovative AI-based solution.
- Earned Generative AI Certification, demonstrating expertise in advanced AI techniques.(<https://coursera.org/share/665d0ce69a0c4d0fc7b8b2266f15502b>)

## INTERESTS

---

- Open-Source Contributions | Chess | Guitar | Gym | Reading | Cooking