

PIYUSH BHARDWAJ

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EDUCATION

Chitkara University, Punjab

B.E - Computer Science and Engineering

2022 – 2026

Rajpura, Punjab

COURSEWORK / SKILLS

- DSA
- Operating Systems
- OOPS Concepts
- Computer Networks
- Web Development
- AI/ML
- Software Engineering
- DBMS

PROJECTS

PICTOAI 🗒 | [React](#), [Node.js](#), [Flask](#), [Stable Diffusion](#), [Hugging Face Transformers](#)

- **AI Art Generation:** Developed a full-stack web application to generate high-quality images from text prompts using Stable Diffusion and Hugging Face Transformers.
- **Frontend:** Built an interactive, responsive UI with React.js and Tailwind CSS, enabling seamless user input and real-time image display.
- **Backend API Integration:** Implemented Node.js with Express.js to manage API routing and integrated a Python + Flask microservice for AI image generation.
- **Database Management:** Connected to MongoDB Atlas to store user data and image metadata, ensuring scalable and secure storage.

Credit-Card-Fraud-Detection 🗒 | [Pandas](#), [NumPy](#), [Matplotlib](#), [Seaborn](#), [EDA](#)

- Built a machine learning model for fraud detection on a dataset of 280,000+ transactions, applying EDA and feature engineering.
- Achieved 95% accuracy with improved precision and recall, reducing false positives by 15% compared to baseline methods.
- Automated data preprocessing and visualization, cutting analysis time by 40% and enabling faster detection of new fraud patterns.

EliteKicks - An E-commerce Website 🗒 | [React](#), [JavaScript](#), [HTML](#), [CSS](#)

- Developed a full-stack e-commerce platform for footwear with 50+ products and detailed catalog pages.
- Implemented responsive design tested across 5+ device types (mobile, tablet, desktop) to ensure seamless user experience.
- Optimized frontend performance with React, achieving a 30% faster load time and improving navigation flow.

TECHNICAL SKILLS

Languages: Python, Java, C++, C, JavaScript, SQL

Technologies/Frameworks: React.js, Node.js, Express.js, Flask, Tailwind CSS, HTML5, CSS3, MongoDB, Stable Diffusion, Hugging Face Transformers, Scikit-Learn, EDA, Software Engineering Principles

Developer Tools: VS Code, PyCharm, IntelliJ, Jupyter Notebook, GitHub, Canva

AI / Machine Learning: Text-to-Image Generation, Model Integration, Model Hosting, Hugging Face, Python ML Libraries

SOFT SKILLS

- Critical Thinking & Problem Solving
- Effective Communication Skills
- Teamwork & Collaboration
- Adaptability & Flexibility
- Time Management & Organizational Skills

CERTIFICATIONS

- Generative AI- Google Cloud
- Cyber Security-Cisco Networking Academy
- Google Analytics-Google Analytics Academy
- AI Foundations for Everyone(IBM)-Coursera