

RAJPUT AMAN

WEB DEVELOPER | AI ENTHUSIAST

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SUMMARY

Innovative and self-driven BCA student with real-world experience in AI-powered projects, full-stack web development, and scalable cloud-based systems. Specialized in enhancing pre-trained AI models and building complete platforms independently using only a laptop. Passionate about solving technical challenges and optimizing workflows with modern technology.

TECHNICAL SKILLS

- **Languages** : Python, JavaScript, Core Java.
- **Frameworks & Libraries** : Django, React.js, Bootstrap.
- **Databases** : MongoDB, MySQL.
- **Tools** : Git, GitHub, Postman, VS Code.
- **Concepts** : REST APIs, Cloud APIs, AI Chatbots, Role-Based Dashboards, Image-to-Vector Conversion, Raster to SVG, Responsive web pages.
- **Soft Skills** : Leadership, Communication, Innovation, Time Management, Team Collaboration.

PROJECTS

AI Tools Listing Platform (In Progress)

July 2025

- Building a one-stop platform listing all AI tools (Free, Freemium, Paid, Discounted) with categories and ratings.
- Features: Search, Filter, Upvotes, Latest Tools Tracker, Pricing Comparison, Ratings.
- **Tech Stack** : React.js, MongoDB, Node.js, Web Scraping, Uvicorn, Python.

AI Chatbot using Cloud Models

May 2025 - June 2025

- Built a chatbot that can understand images, hold conversations, and generate AI images using cloud APIs.
- Included features like login/signup and context-based interaction.
- **Tech Stack** : React.js, Cloud APIs, Python, MongoDB, Uvicorn.

Pre-trained AI Model Enhancement System

Jan 2025 - Apr 2025

- Improved an underperforming AI model to support image generation, image-to-vector, and SVG path creation.
- Handled memory management and model performance using only a laptop (no GPU/server).
- **Tech Stack** : Python, OpenCV, TensorFlow Lite, Vtracer library, pytorch, Uvicorn, postman, MongoDB for memory saving.

Business Collaboration Platform

Oct 2024 - Dec 2024

- Created a full-stack platform connecting co-founders, investors, freelancers, and business owners.
- Role-based dashboards, opportunity matching, and live data filtering.
- **Tech Stack** : React.js, Node.js, MongoDB, Express, JWT token.

Student Assignment Service Platform

Aug 2024 - Sept 2024

- Developed a platform for students to buy/sell assignment services.
- Included per-page pricing, live chat, and role-based login/dashboard system.
- **Tech Stack** : Python, Django, html, Css, Bootstrap.

INTERNSHIP EXPERIENCE

AI Intern – AI Agent Model Optimization

Remote | Jan 2025 – Apr 2025

- Trained and optimized a pre-trained model with custom data.
- Added new capabilities like photo generation, image-to-vector, and SVG rendering.
- Worked without GPU/cloud server — optimized for laptop-based performance.

EDUCATION

Bachelor of Computer Applications (BCA)

June 2023 -July 2026

Silver Oak University, Ahmedabad (Pursuing)

- Gaining hands-on experience in Python, Django, React.js, MongoDB, JavaScript.
- Focused on Web Development, Software Engineering, and Database Management.
- Worked on multiple live projects including AI chatbot, business platforms, and full-stack applications.
- Strong foundation in OOPs, Data Structures, and Backend API Development.

HSC - CBSE (12th Grade)

2021 - 2023 | Score : 70.2%

Vedant International School

- Developed logical thinking and strong foundation in Mathematics & Computer Applications.
- Learned basics of coding and started experimenting with small Python programs.
- Actively participated in school-level tech events and presentations.

SSC - CBSE (10th Grade)

2020 - 2021 | Score : 67%

Academic Heights Public School

- Built early interest in technology, science, and innovation.
- Learned discipline and time management through academic consistency.
- Participated in project-based learning and foundational computer science sessions.

CERTIFICATIONS

- **Python with Django** – CEC Computer Classes.
- **AI & ML Live Projects** – Internship Based.
- **Git & GitHub Essentials** – Self-learned.
- **Frontend Web Development**.

ADDITIONAL INFORMATION

- **Languages**: English, Hindi.
- **LinkedIn Url** : www.linkedin.com/in/aman-rajput-a916232b9