Priyanshu Choudhary

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SUMMARY

Aspiring Software Engineer with a focus on web development and embedded systems. Proficient in multiple programming languages and experienced in developing personal and academic projects. Currently pursuing a B.E. in Computer Science Engineering with a strong academic record.

SKILLS

- **Web Development:** HTML, CSS, JavaScript, NodeJs, Express Js, EJS.
- **Database Management:** MongoDB
- **API & Backend Integration:** API Integration, RESTful APIs
- **Programming Languages:** Python, C, C++, Julia(learning)
- **Data Structure & Algorithm:** Skilled in designing, implementing, and optimising algorithms and data structures.
- **Machine Learning:** Currently learning; familiar with ML models, supervised/unsupervised learning. Proficient in NumPy, Pandas, Matplotlib, Scikit-learn, NLTK, spaCy, Hugging Face Transformers, and OpenCV.
- **Deep Learning :** Knowledge of neural networks, PyTorch & TenserFlow
- **Tools & Platform:** VS Code, Sublime Text, Arduino IDE, Git, Postman

EDUCATION

- Computer Science Engineering | Chandigarh University (Expected Graduation: 2027) — SGPA: 8.32(Current)
- XII (CBSE) | Oxford Public School — 91%| 2021

EXPERIENCE

- **Personal Project:** Deep Learning Lip Reading Model *(November 2024 - February 2025)*
  - **Description :**AI model for lip reading, extracts video frames, and predicts speech using neural networks.
  - **Technologies :** Python, TensorFlow, Streamlit, FFmpeg, Keras CTC Decoder ,ImageIO
  - **Key Features :** AI lip reading, frame extraction, speech prediction, web UI, video conversion, CTC decoding, GIF visualization, real-time & offline processing, scalable, easy deployment.

- **Personal Project:** AI Chatbot *(February 2025 - March 2025)*
  - **Description :** An AI chatbot for real-time interactions, providing context-aware responses and seamless web integration.
  - **Technologies** : NodeJs, ExpressJs, EJS, TailwindCSS, JavaScript, API
  - **Key Features**: Real-time AI-powered conversations, Responsive UI for seamless user experience, Context-aware and intelligent responses.

❖ **Personal Project:** Sentiment Analysis on Social Media (Dec 2024 - February 2025)

- **Description** : A machine learning-based application that classifies social media posts (tweets, comments) as positive, negative, or neutral using NLP techniques.
- **Technologies** : Python, scikit-learn, Pandas, NLTK, TensorFlow..
- **Key Features**: AI-powered sentiment classification using NLP, supports real-time analysis of tweets and social media posts, utilizes machine learning models for accurate predictions, interactive dashboard for visualizing sentiment trends, scalable and efficient data processing..

❖ **Personal Project:** Internship Placement Assistant *(Made for AI/ML Multi-Track Competition By PeerHub x CIG IIT Roorkee)*

- **Description** : This website is build to help people find internship using webscraping and aiml model to sort fetch and provide relevant data.
- **Technologies** : Html, css, JavaScript, Django, Pandas, Requests, SpeechRecognization, BeautifulSoup, Sentence Transformers, Optparse & PyTorch.
- **Key Features**:Web Scraping, Recommended Internships

❖ **Personal Project:** Internship Form Processing System *(January 2025 – February 2025)*

- **Description** : A web-based system for students to submit internship forms in PDF format. The system validates the file type, processes it using OCR, and extracts key details for the internship department.
- **Technologies Used** : Node.js, Express.js, MongoDB, Multer, pdf2pic, Sharp, Microsoft Azure OCR(API), lamma model API, EJS, TailwindCSS & JavaScript.
- **Key Features**: PDF validation, error handling, PDF-to-image conversion, enhanced OCR accuracy with grayscale, handwriting recognition using Microsoft Azure OCR, and text extraction saved as .txt.

ACHIEVEMENTS:

- **Attended an AI/ML Workshop by IIT Delhi –** Gaining hands-on experience by building live projects with IIT Delhi experts.
- **Project Expo 2025 Finalist** – Advanced to Round 3 with the TravelMate project.
- **Unmanned Drone Project Finalist** – Led a team to the final round.
- Shortlisted for **ATMECS Global GEN AI Hackathon** by HackerEarth.
- Built & Deployed Full-Stack Projects.
- API Integration Experience
- VAC course on **Data Science: Principles and Practices using R**
- Build and Deployed my Portfolio at **www.priyanshu.works**

HOBBIES:

- Robotics and IoT projects
- Competitive Coding
- Cooking
- Badminton

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SUMMARY

Aspiring Software Engineer with a focus on web development and embedded systems. Proficient in multiple programming languages and experienced in developing personal and academic projects. Currently pursuing a B.E. in Computer Science Engineering with a strong academic record.

SKILLS

- **Web Development:** HTML, CSS, JavaScript, NodeJs, Express Js, EJS, React
- **Database Management:** MongoDB
- **API & Backend Integration:** API Integration, RESTful APIs
- **Programming Languages:** Python(with libraries likes dumpy pandas, matplotlib, beautiful soup), C, C++
- **Data Structure & Algorithm:** Skilled in designing, implementing, and optimising algorithms and data structures.
- **Machine Learning:** Beginner (currently learning)
- **Tools & Platform:** VS Code, Sublime Text, Arduino IDE, Git, Postman

EDUCATION

- Computer Science Engineering | Chandigarh University (Expected Graduation: 2027) SGPA: 8.32(Current)
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EXPERIENCE

- **Personal Project:** TravelMate *(Project Expo 2025 FInalist)*
  - **Description** : A travel partner matching website for college students with AI-based recommendations using the Llama model API. Includes secure CUCHD.in email authentication, dynamic traveler search, and a responsive UI.
  - **Technologies** : NodeJs, ExpressJs, MongoDb, EJS, TailwindCSS & JavaScript.
  - **Key Features**: Search for matching travellers,AI-based traveler recommendations using Llama model API, Only CUCHD.in emails are allowed for registration, Secure authentication system(Signup/Login required).

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  - **Key Features**: PDF validation, error handling, PDF-to-image conversion, enhanced OCR accuracy with grayscale, handwriting recognition using

Microsoft Azure OCR, and text extraction saved as .txt.

- **Personal Project:** E-commerce Website *(In Progress)*
  - **Description :** Developing a full-stack e-commerce platform with user authentication, product listing, cart management, and secure checkout. Focused on creating a dynamic, responsive, and user-friendly interface.
  - **Technologies Used**: Django, Sql, HTML, TailwindCss & JavaScript.
  - **Key Features**: User authentication, product search & filtering, cart & wishlist management, order processing, and responsive design.

- **Personal Project:** Campus Connect (In Progress)
  - **Description :** Developing a full-stack web application designed to connect students within the campus.
  - **Technologies Used**: Node.js, Express.js, MongoDB, EJS, TailwindCSS, JavaScript.
  - **Key Features**: User authentication, discussion forums, event posting & management, study material sharing, private messaging, and responsive design.

- **Academic Project:** Unmanned Drone *(January 2024 – May 2024)*

  (January 2024 - May 2024)
  - **Project Description:** Developed an unmanned aerial vehicle (drone) using Arduino as the central control unit.
  - **Technologies and Components Used:** Arduino Uno, MOSFET IRFZ44N, DC Coreless Motor Lithium Polymer Battery, Arduino IDE.

ACHIEVEMENTS:

- Finalist for **AI/ML Multi-Track Competition By PeerHub x CIG IIT Roorkee.**
- Became **Liaison Officer** for the CAB meet 2025 at Chandigarh University.
- **Attended an AI/ML Workshop by IIT Delhi –** Gaining hands-on experience by building live projects with IIT Delhi experts.
- **Project Expo 2025 –** Advanced to Round 3 with the TravelMate project.
- **Unmanned Drone Project Finalist** – Led a team to the final round..
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- Robotics and IoT projects
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