

Anhad Mahajan

Software Engineer/Software Architect

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SUMMARY

I'm a 2nd-semester Bachelor of Engineering student at Chitkara University, Punjab, specializing in Computer Science Engineering with a focus on Artificial Intelligence.

My passion lies in blending creativity with cutting-edge technologies to build impactful solutions.

Here's a glimpse of what I've been up to: □ **AI & Machine Learning:** From emotion detection systems powered by Azure AI to diving into machine learning frameworks, I'm constantly exploring how AI can change the way we interact with the world. I'm also proud to have earned my AI-900 Certification, laying the foundation for my AI journey.

□ **Web Development:** I love creating dynamic, user-friendly web experiences using React, Tailwind CSS, and GSAP. Whether it's full-stack applications or stunning UI components, I'm always excited to build and animate the web in creative ways.

□ **IoT Projects:** I enjoy designing IoT solutions with Arduino and ThingSpeak, connecting sensors and real-time data to create smart systems.

Merging hardware with software is something I find deeply fulfilling.

□ **Currently Learning:** At the moment, I'm sharpening my problem-solving skills with Data Structures & Algorithms (DSA) in Java and working on building a solid foundation for my future tech projects.

When I'm not building or learning, I'm experimenting with new ideas and tech trends or diving into hands-on projects.

If you're passionate about AI, IoT, or creating innovative web applications, let's connect!

□ **Technologies & Tools I Love:** Flask | React | WordPress | Tailwind CSS | GSAP | Azure AI | OpenCV | Arduino | ThingSpeak | Java | SQLAlchemy | SQLite □ **What I'm Currently Exploring:** AI-Powered Applications | DSA in Java | IoT-Cloud Integration | Machine Learning

EXPERIENCE

Open-Source Contributor

Hacktoberfest

- Contributed to Open source projects

Oct '24
Rajpura, India

EDUCATION

Bachelor of Engineering - BE, Computer Science Engineering with Artificial Intelligence in Computer Science Engineering with Artificial Intelligence, Chitkara University (GPA: 9.43)

Aug '24 — Present
Rajpura, India

- Pursuing B.E. in CSE with a focus on Artificial Intelligence at Chitkara University. Gaining hands-on experience in Python, Data Structures, Machine Learning, and Computer Vision. Completed Microsoft AI-900 certification and worked on AI-based projects like an Emotion Detection System using Azure Face API, a Gesture-Controlled Digital Keyboard using OpenCV, and a real-time Text Extraction System using OCR and voice commands. Also developed a full-stack MovieSphere app with AI-based recommendations and a Medical Chatbot using NHS data and Azure services. Actively involved in hackathons, coding contests, and AI workshops.

CERTIFICATIONS

Foundations: Data, Data, Everywhere, Google

Supervised Machine Learning: Regression and Classification, DeepLearning.AI

Azure AI Fundamentals, Microsoft

Python Data Analytics, Meta

Introduction to Git and GitHub, Google

Fundamentals of Java Programming, Board infinity

AWARDS

Code 'N' Connect

GDG On Campus Chitkara University

Oct '24

PROJECTS

Test Management System (PARIKSHA)

- PARIKSHA is a versatile and visually appealing test management system designed to facilitate seamless test conduction. It integrates various modern technologies to deliver an engaging and efficient user experience. The platform includes several key components, such as:
 1. Home Page (Index Page): A welcoming interface providing an overview of the system and its features.
 2. Login/Sign-Up Page: A secure and user-friendly module for account creation and authentication.
 3. Test Page: A dynamic and interactive section where users can create, manage, and take tests effortlessly.
 4. Contact Us Page: A dedicated page for inquiries and support, ensuring effective communication.
 5. Additional Features: The system offers various other functionalities to enhance usability and cater to diverse needs.

With its intuitive design and powerful capabilities, PARIKSHA serves as an all-in-one solution for managing and conducting tests efficiently.

Medical AI Chatbot

Mar '25 — Mar '25

- Designed a chatbot using NHS medical data and Azure Cognitive Services to respond to health-related queries

Recreated version of Subway Surfers:

Apr '25 Present

- Recreated a 2D endless runner game inspired by **Subway Surfers** using Python and Pygame. Implemented character movement, obstacle generation, coin collection, and collision detection. Designed a dynamic game loop with increasing difficulty, animated sprites, and scoring system. Enhanced the user experience with sound effects, background scrolling, and responsive controls. Focused on replicating the core gameplay mechanics while customizing visuals and improving performance for smoother gameplay.

SKILLS

Top Skills Machine Learning, Java, Python, Git (Version Control System), Supervised Learning, Unsupervised Learning, Regression, MERN Stack, C++, Flask, Django, Azure, Natural Language Processing, Three.js, Internet of Things (IoT), Prompt Engineering, GreenSock Animation Platform (GSAP), Tailwind CSS, JavaScript

Interests Machine learning, Java

Languages English, Hindi