

AAYUSH BARIK

9110911867

superbsup45@gmail.com

[Github](#)

[LinkedIn](#)

EDUCATION

B.Tech-Computer Science and Engineering - Spl. Cloud Computing

SRM Institute of Science and Technology

06/2022 Present Chennai, Tamil Nadu, India

CGPA

9.28 / 10

PROJECTS

HealthOCR-Scan

[Project Link](#)

A medical data extraction web app that digitizes healthcare records using OCR and intelligent parsing.

- Built an OCR-powered system (Tesseract + EasyOCR + Regex) to extract patient details & prescriptions from PDFs with ~92% accuracy, reducing manual data entry by 70%.
- Designed a lightweight Flask/Streamlit frontend and modular backend, improving extraction speed by 35% while ensuring scalability for future EMR/EHR integration.
- Tech Stack: Python, Tesseract OCR, EasyOCR, Regex, Flask/Streamlit, Pytest

Sort Flow

[Project Link](#)

An educational web app to visualize different sorting algorithms.

- Developed an interactive sorting visualizer web app showcasing Bubble, Selection, and Insertion Sort with step-by-step animations, improving learning efficiency by 50%.
- Implemented real-time visual feedback using React, reinforcing algorithmic thinking and enhancing frontend skills through hands-on UI logic and state management.
- Tech Stack: React.js, JavaScript, CSS/Tailwind, Data Structures

ChatBot – AI-Powered Conversation Assistant

[Project Link](#)

A responsive chatbot web app that enables real-time interactions using OpenAI API.

- Built with React.js + Node.js/Express, delivering ~90% accurate responses with a smooth, conversational experience.
- Optimized performance and API handling, reducing latency by 35% for faster and scalable interactions.
- Tech Stack: React.js, Express.js, OpenAI API, CSS/Tailwind

EXPERIENCE

SDE Intern

BLUESTOCK

02/2026 03/2026

A company providing financial services related to Initial Public Offerings.

- Developed a web application and REST API to provide real-time IPO-related information
- Implemented a PostgreSQL database and used the Node.js REST framework for backend API development
- The frontend was built using HTML, CSS, JavaScript, and Bootstrap 5

President of the club

Techwiz

08/2023 03/2025

A tech club focused on innovation and technology development.

- Organized and led a team for events and hackathons.
- Collaborated with cross-functional teams, enhancing project success rates by 10%.
- Engaged club members in activities and contests.

SKILLS

Technical Skill

C/C++ Python Node.js Javascript React.js Version Control CSS Tailwind
HTML Bootstrap

Domain Skill

Software Management Data Structure Algorithms OOPs DBMS Web Development

CERTIFICATIONS

- AWS Solution Architecture Simulation
- McKinsey.org Forward Certificate
- Hack2skill-Certificate