AAYUSHA BHATIA

ASPIRING SOFTWARE DEVELOPER

+91 9667700242 | aayushabhatia-portfolio | aayushabhatia16@gmail.com | aaysha.bhatia.btech2022@sitpune.edu.in

EDUCATION

DAV Public School, Pushpanjali Enclave, Delhi **(** 2008-2022)
96.4 % X CBSE | 91.8 % XII CBSE

Symbiosis Institute of Technology, Pune
B.Tech Computer Science Engineering
2022-2026
8.25 CGPA (Cumulative GPA of 5 semesters)

LINKS

- aayushabhatia-portfolio
- aayushabhatia
- aayusha-bhatia-31439a24b
- aayushabhatia16
- aayushabhatia16

SKILLS

Programming Languages: C/C++, Java, Python
Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, RESTful APIs

Database Management: MySQL, MongoDB

Machine Learning & Data Science: Transformers, Scikit-learn, Pandas, NumPy, PowerBI, Matplotlib

Cloud: AWS, CI/CD Pipelines

Software & Tools: Git and GitHub, Figma, Excel

CS Fundamentals: Data Structures, Object-Oriented Programming, Database Management System, Computer Organization, Operating Systems, Computer Networks

Methodologies: Agile Software Development, Project Management

Professional Skills: Problem Solving, Critical Thinking, Leadership, Public Speaking

RESPONSIBILITIES

The Placement Cell, SIT (Student Coordinator)	02/2024- Present
Cyber Blockchain Club, SIT (Non - Tech Team Head)	02/2023- Present
IEEE Student Member	02/2023- Present
SymbiTech Volunteer (Techfest, SIT)	10/2022- 10/2022 and 01/2025-01/2025

ACHIEVEMENTS

Scholar Blazer Holder
Silver Coin Holder
X CBSE Batch Topper (DAV, Pushpanjali Enclave)

LANGUAGES

• English • Hindi • French • Sanskrit

EXPERIENCE

Web Developer Intern - Prasunet Company (15/06/2024 - 15/07/2024

- Gained hands-on experience in web development, enhancing skills in responsive design and interactive features.
- Worked on three projects: responsive landing page, stopwatch app, and Tic-Tac-Toe game and utilized HTML, CSS, and JavaScript to build and style user-friendly web applications.

PROJECTS

Medical Appointment Booking Platform with AI Chatbot Integration
(Fine-Tuned PubMedBERT Transformer, Gemini API, React, Node.js, Express.js, MongoDB, Socket.io, NodeMailer)
An AI-powered medical appointment booking platform integrating PubMedBERT fine-tuned chatbot with disease prediction, nearby doctor search, medical report analysis and realtime doctor-patient chat functionality.

Smart-Cart Analysis (Data Science, Machine Learning, Power-BI, Web Development)
Developed a data-driven solution for BigBasket to segment customers, predict high spenders, and identify churn risks using ML models, with insights visualized through Power BI dashboards and deployed via a user-friendly website to drive targeted marketing and revenue growth.

Campus Library - 3 Tier Web Application on AWS (AWS - EC2, VPC, RDS, Route53, CloudWatch, MySQL, React.js, Node.js, Express.js, NGINX)
Designed and deployed a secure, automated 3-tier architecture on AWS with bastion host access and NGINX reverse proxy, featuring a React dashboard for book and author summaries, and full CRUD functionality for managing library records.

VM Scheduling Algorithm Simulation and Comparison (CloudSim, Java, CI/CD)
Simulated and analyzed Time-Shared vs Space-Shared VM scheduling in CloudSim, with Python-based performance visualization and CI/CD automation via GitHub Actions.

CerebroSync - Task Manager (AI, React, Node.js, Express.js, MongoDB, CSS, Tailwind)
An AI-powered MERN stack task manager with chatbot that boosts student productivity through personalized insights, habit tracking, Pomodoro integration, and optimized study techniques.

Symbiosis Classifieds - One Step Solution (Java and DBMS desktop application)
Platform for housing, item exchanges, and ride-sharing among students, leveraging MySQL for organized data management and real-time updates, simplifying student interactions and needs.

Portfolio (Web Development)
Personal portfolio website showcasing skills, projects, and experience, with a clean design and responsive layout to enhance online presence and professional visibility.

University Unified Login System (Web Development)
Created a secure, unified login system for university platforms, streamlining user access and enhancing authentication processes across multiple services.

Hostel Accommodation Management System (C++, OOPs)
Application for managing hostel accommodations, featuring room allocation, booking management, and student record maintenance.

Smart Blind Stick (Electronics, Robotics)
Smart blind stick prototype using robotics and sensors, aimed at assisting visually impaired individuals with obstacle detection and navigation.

Card Game (Python)
Interactive card game in Python, focusing on game logic, user interface, and incorporating key programming concepts.

Library Management System (C Programming)
Program to manage library operations including book inventory, member records, and transaction tracking, with a user-friendly command-line interface.

Vehicle Rental Management System SRS Document (Agile Software Development)
SRS for a vehicle rental system, applying Agile methods for iterative, user-focused development.