

# PATTAN SAMEERA HUSSAINY

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## OBJECTIVE

Motivated B.Tech student in Computer Science and Business Systems seeking opportunities to apply technical and business knowledge, enhance problem-solving skills, and grow as a collaborative, innovative professional.

## PROJECTS

### BANK LOAN MANAGEMENT SYSTEM

FEB 2025

- Designed and developed the front-end of a Bank Loan Management System using **HTML**, **CSS**, and basic **JavaScript**.
- Designed SRS documentation, drafted detailed requirement analysis, and created UML diagrams to support development.
- Built user-friendly web pages for loan application, customer information, and repayment tracking.

### SMART NEO BANKING FINANCIAL PARTNER

MAY 2025

- Designed and developed the front-end of a digital banking solution.
- It moves beyond simple transaction management to guide your spending, saving, investment, and purchasing decisions.

### BASIC DSA PROJECTS

- Journey Planner – Simple DSA** *Mar 2025*: Implemented a basic journey planning tool using data structures and algorithms.
- Sudoku Solver – Simple DSA** *Sep 2023*: Developed a Sudoku solver leveraging backtracking and recursive techniques.

### SEMESTER RESEARCH PROJECT | CLASS PROJECT ON WARS IN A VUCA WORLD

- Researched the impact of wars in a VUCA (Volatile, Uncertain, Complex, Ambiguous) world, focusing on geopolitical, cyber, and biosecurity dimensions.
- Analyzed adaptive response strategies including multi-dimensional policies, military resilience, and cybersecurity frameworks.
- Collaborated with team members to prepare and present findings, highlighting innovative policy approaches to modern interrelated threats.

### AIML - DATA SCIENCE JOB MARKET ANALYSIS

APR 2024

- Built a Python-based project to analyze the data science job market, focusing on salary trends, skill demands, and regional variations.
- Implemented analyses for trends, salaries, locations, and skill gaps to identify industry insights.

### CLUBS/ACTIVITIES

- Active member of the Hosts and Hospitality team for Daksh, the annual techno-management fest of SASTRA University.
- Created and published a college e-magazine, conducting interviews, writing content, and capturing photographs for engaging coverage.
- Runner-up at Daksh AI'25 Hackathon for developing an AI-powered autonomous farm robot focused on sustainable pest control.

## EDUCATION

### SASTRA UNIVERSITY

BACHELOR OF SCIENCE IN  
COMPUTER SCIENCE AND BUSINESS  
SYSTEMS WITH MINOR IN SUPPLY  
CHAIN AND PROJECT MANAGEMENT  
Expected Sep 2027 | Thanjavur, TN  
CGPA: 9.39 / 10.0  
SGPA: 9.7 (Highest)  
Class 10: 600 / 600  
Class 12: 985 / 1000

## SKILLS

### PROGRAMMING

Languages:  
C, C++, Python, SQL, PL/SQL, R Core  
Concepts:  
Object-Oriented Programming (OOP),  
Operating Systems, Software  
Engineering Tools Applications:  
Python (Computational Statistics), R  
(Operational Research)

### TECHNOLOGY

Ubuntu • VScode • Modelio  
windowsXP • IBM Rational  
Software(UML)

## COURSEWORK

### RELEVANT COURSEWORK

Computer Science:  
OOP, Operating Systems, Software  
Engineering, Computer Organization &  
Architecture  
Database Systems:  
Database Management Systems, SQL,  
PL/SQL  
Mathematics & Statistics:  
Discrete Mathematics, Probability,  
Statistical Modelling, Computational  
Statistics, Linear Algebra  
Analytical Methods:  
Operations Research