

SAKSHAM TALWAR

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GitHub: [SakshamTalwarr](https://github.com/SakshamTalwarr)

LinkedIn: [Saksham-Talwar](https://www.linkedin.com/in/sakshamtalwar/)

SUMMARY:

Passionate Computer Applications student with hands-on experience in software development, web technologies, and IoT-based solutions. Strong communicator with a collaborative mindset, eager to contribute to real-world, scalable, and user-focused software solutions.

-View my live portfolio at SakshamTalwarr.github.io/Portfolio

EDUCATION:

- Graduation in Bachelor of Computer Applications (Maharishi Dayanand University, Rohtak) **(73.5%)**
- CBSE Class XII **(69%)**
- CBSE Class X **(67%)**

2022-2025
2022
2020

TECHNICAL SKILLS:

Programming Languages:

Java, C++, Python, JavaScript, HTML, CSS

Databases:

MySQL, SQL, Database Design

Frameworks & Libraries:

Apache Tomcat, Bootstrap, JDBC, JSP/Servlets (basic),
Hibernate

Operating Systems:

Windows, Linux (basic CLI)

Tools & Platforms:

VS Code, IntelliJ, Dev-C++, Eclipse, Git & GitHub, Arduino IDE, Apache Tomcat

Concepts:

OOP, Data Structures & Algorithms, Exception Handling, SDLC

IoT & Hardware:

ESP32, Sensors, Blynk App, Sims

Other Tools:

Microsoft Excel, Power BI

PROFESSIONAL EXPERIENCE & PROJECTS:

• Pet Shop Website – AbHappyPaws.com -Live Portfolio and updates Website

Built a responsive multi-page website for a pet shop using HTML, CSS, and JavaScript. Includes product galleries, category pages, and Google Photos integration.

• Online Crockery Store – ThePotteryPassion.com – Live Online Store

Built a Custom Coded Online store with Shopify using liquid, with features: cart, wish-list, order management, custom theme, custom payment page etc.

• Grocery Inventory Management System -Java Project

Java-based web app with JDBC, MySQL, and HTML. Supports CRUD operations, admin dashboard, brand/category filtering, and CSV import/export.

• Will it Rain on my Parade? – Nasa Project

Enter Date and month and get past 20 years stats if it will rain or not on the selected date with visual graphs and related data.

• Door Unlock via Blynk App – IOT Project

Built a remote door access system using ESP32, RFID, Blynk App, and physical switch for multi-mode unlocking.

CERTIFICATIONS:

- **IoT Soil Moisture Sensor Project – Hackathon Winner** ~ **SGT University (Feb 2024)**
Developed a smart irrigation system using Arduino and sensors, awarded for innovation and efficiency.
- **J.P. Morgan Software Engineering Virtual Experience** ~ **Forage (July 2024)**
Gained practical exposure to agile development, Git workflow, and bug fixing through a virtual internship simulation.
- **Certificate in Excel Proficiency & Analytics (CEPA) –** ~ **Anudip Foundation & DPGITM (Dec 2024)**
Achieved **A Grade** in the certification and mastered Excel tools for data cleaning, visualization, and basic analytics.
- **Summer Analytics 2025 – Consulting & Analytics Club** ~ **IIT Guwahati (July 2025)**
Completed a 6-week case-based program focused on analytics, problem-solving, and data interpretation using real-world datasets.
- **NASA Space App Challenge** ~ **NASA (OCT 2025)**
Build a web app using java, python and react on “Will it rain on my Parade?”
- **Fundamentals of Java Core & Web Programming –** ~ **Anudip Foundation (Dec 2025)**
Achieved **A+ grade** while learning core Java concepts and web development fundamentals.

LEADERSHIP & VOLUNTEERING:

- **Photography and Logistics Coordinator:** Led photography and logistics for college festivals, coordinating a team of 10 members to cover events attended by over 300 students, ensuring smooth operations and high-quality event coverage.
- **Photography Club Leader:** Organized workshops and exhibitions as Photography Club Leader, increasing member engagement by 20%.
- **Literary Club Volunteer Leader:** Led literary events and debates as Literary Club Volunteer Leader, enhancing campus literary culture.
- **Tech Event Organizer:** Organized a BGMI gaming tournament with a team of 5, engaging over 200 participants and enhancing event coordination skills.

LANGUAGES:

Fluent in English, Hindi, and Punjabi, and basic French.

HOBBIES:

Engaging in Technology Projects, Web Development, Photography, Moto rides, and singing.

PORTFOLIO

Saksham Talwar



BENGALURU, INDIA | BCA GRADUATE



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Hello,

SAKSHAM TALWAR

Java Core, Web Programming, & Database Design.

I am a Computer Applications graduate with a strong foundation in software development and IoT-based solutions. I specialize in building scalable web applications using Java, Html, CSS, JS, and React, with a focus on real-world utility.





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EDUCATION

Bachelor of Computer Applications (BCA)

- University: Maharishi Dayanand University, Rohtak
- Session: 2022 – 2025
- Performance: **73.5%**

Senior Secondary (Class XII)

- Board: CBSE
- Year: 2022
- Performance: 69%

Secondary (Class X)

- Board: CBSE
- Year: 2020
- Performance: 67%



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TECH STACK

JAVA ECOSYSTEM

- Core Java (*OOP, Exception Handling, Collections*)
- JSP & Servlets
- JDBC (*Database Connectivity*)
- Hibernate (*ORM Framework*)

WEB DEVELOPMENT

- HTML5 & CSS3
- JavaScript
- React.js (*basics but can develop anything using prompt eng.*)

DATA & DEVOPS

- Databases: MySQL, SQL, Database Design
- Server: Apache Tomcat, XAMPP
- Version Control: Git & GitHub
- IDEs: IntelliJ IDEA, VS Code, Eclipse



Project: GROCERY INVENTORY SYSTEM

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Role:

Backend Developer & Database Architect

Tech Stack:

- Backend: Java (JSP/Servlets), JDBC
- Database: MySQL
- Server: Apache Tomcat

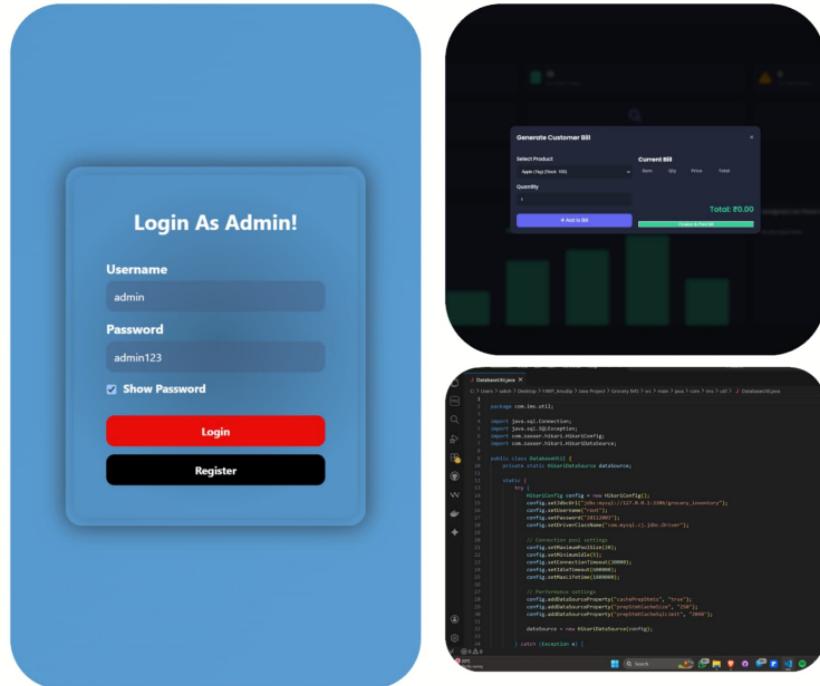
Key Features:

- CRUD Architecture: Engineered a robust system to Create, Read, Update, and Delete inventory records efficiently.
- Data Integrity: Implemented raw SQL queries via JDBC for high-performance data retrieval and storage.
- Bulk Operations: Built a CSV Import/Export module, allowing administrators to update thousands of stock items instantly.

Admin Dashboard:

- Secured access for brand and category filtering.

Java Web Application | Database Architecture



PROJECT: E-COMMERCE WEBSITE

Custom Online Store Development & Responsive Web Design

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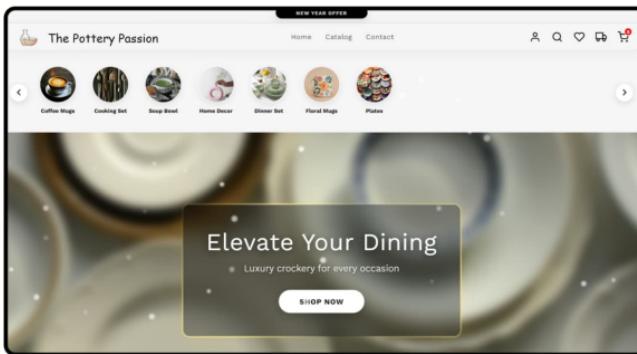
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ThePotteryPassion.com (Online Crockery Store)

Tech Stack: Shopify Liquid, HTML, CSS, Custom Payment webpage



The Build:

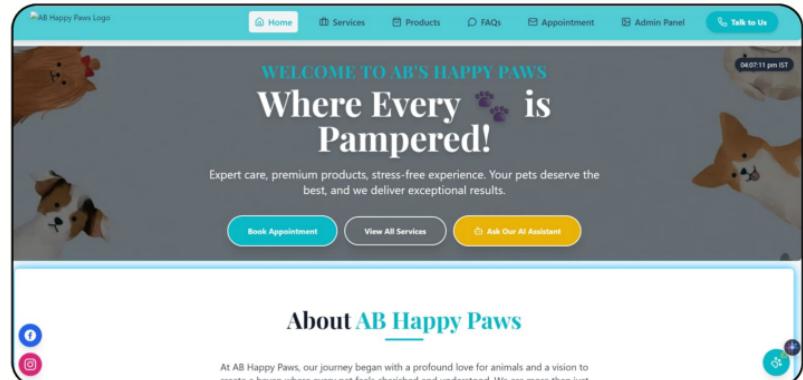
- Custom Architecture: Developed a customized logo and a custom-coded store using Shopify's Liquid template language rather than pre-made themes.

Features:

- Engineered specific modules for Wish-lists, Order Management, and a custom Payment Page flow.
- Added Buy by Video section, custom Insta story styled categories, animations, testimonials, a mega menu for desktop and hamburger styled menu for the pocket devices
- Did SEO Optimization and made social accounts on their behalf for their store

AbHappyPaws.com (Pet Shop Website)

Tech Stack: HTML5, CSS3, JavaScript



The Build:

- Responsive Core: Built a fully responsive multi-page architecture that adapts to mobile and desktop screens.
- API Integration: Integrated Google Photos to create dynamic product galleries that update automatically.
- Customized logo, Integrated Map and a Working Ai Helper for User Queries

PROJECT: WILL IT RAIN ON MY PARADE?

WEATHERWISE | NASA Space Apps Challenge | Virtual Hackathon

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Event: NASA Space Apps Challenge (Oct 2025)

Role: Full Stack Developer

The Tech Stack:

Core: Java & Python

Frontend: React.js

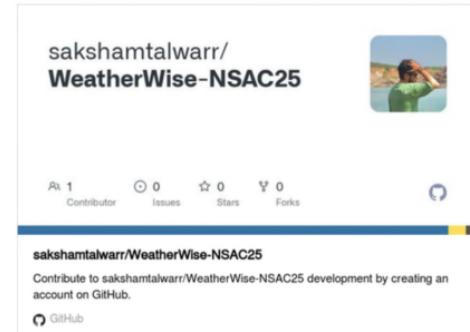
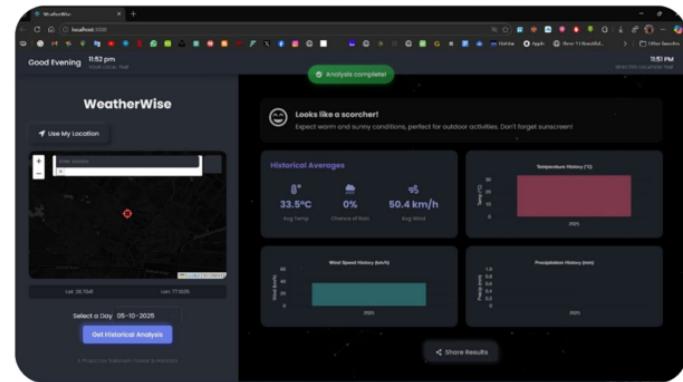
The Solution:

Hybrid Architecture: Integrated Python for data processing with a Java backend structure.

Predictive Analysis: Processed 20 years of historical weather data to generate statistical rain probabilities for specific dates.

Visual Data:

Built a responsive interface to display trend graphs and weather forecasts.



SAFEGUARD- INDIA

<https://sakshamtalwarr.github.io/SafeGuard-India/>

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Project: Safe-Guard India (Hosted on GitHub Pages)

Tech Stack:

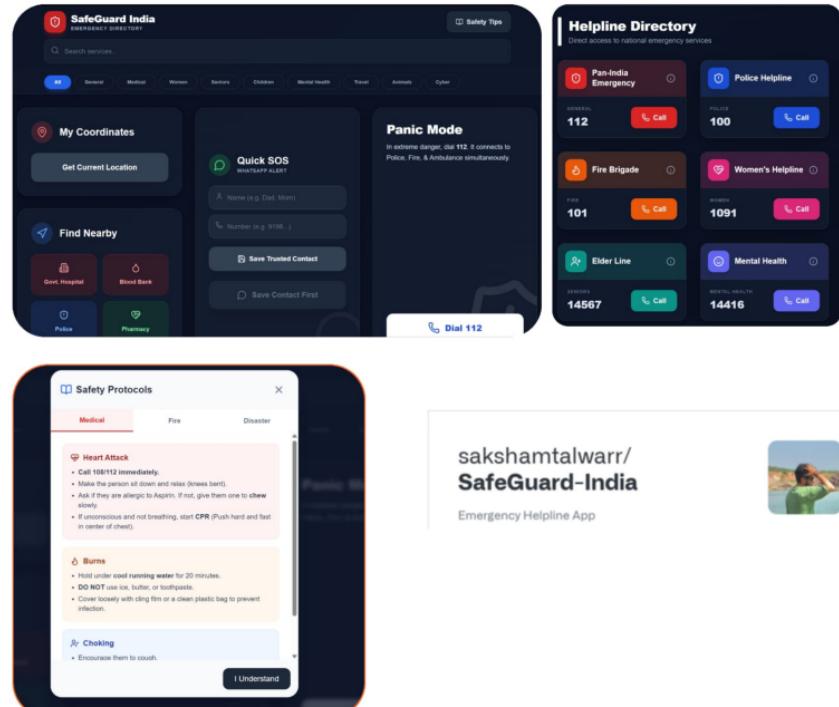
HTML5, CSS3, JavaScript

Objective:

Designed a rapid-access web portal to provide immediate safety resources for women in distress.

Key Features:

- Zero-Latency Interface: Optimized code structure to ensure the site loads instantly on low-bandwidth networks.
- Direct Action UI: prioritized "Panic" and "Helpline" buttons above the fold for immediate user access.
- Resource Aggregation: Centralized database of helpline numbers and safety guidelines.



PROFESSIONAL PROFILE

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[Experience](#) | [Certifications](#) | [Contact](#)

Experience

Hackathon Winner (IoT Soil Moisture)

- Awarded for innovation in smart irrigation systems using Arduino/ ESP sensors.
- Developed a dashboard with hardware integration to visualize sensor data for small scale farmers

College Event Setup

Lead a Team and managed an event in college related to science and tech fair

Summer Analytics 2025 – Consulting & Analytics Club

Participated in IIT, Guwahati. There I solved the provided problem statements

Certifications

- Fundamentals of Java Core (A+ Grade) - Anudip Foundation.
- Certificate in Excel Proficiency (A Grade).

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Let's Build Something Great.

SAKSHAM TALWAR



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Bengaluru, Karnataka

work.sakshamtalwar@gmail.com

Visit my Portfolio here:



CERTIFICATES



Certificate of PARTICIPATION

This is to certify that

Saksham Talwar

has successfully participated in and completed the 6-week Summer Analytics 2025 program organized by the Consulting & Analytics Club, IIT Guwahati, focused on Data Science and Machine Learning.



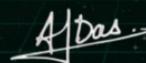
Prof. Swarup Bag,

Chairperson,
Technical Board
IIT Guwahati



Atri Chattopadhyay,

General Secretary,
Technical Board,
IIT Guwahati



Abhishek Das,

Secretary,
C&A Club,
IIT Guwahati



Abhi Tanwar,

Analytics Head,
C&A Club,
IIT Guwahati



Sumit Prabhakar,

ML Research Head,
C&A Club,
IIT Guwahati



Subhashree Kedia,

Projects and
Competition Head, C&A
Club, IIT Guwahati



Certificate of Merit is awarded to

SAKSHAM TALWAR

for successfully completing 421 hours of training on
Fundamentals of Java and Web Programming
from January 2025 to July 2025

at Anudip Foundation Skill and Career Development Center, Gurgaon

Haryana

Grade :- A1

Reg. No. :- U91900WB2007NPL116269

Student Reg. No. :- HRGUR/AF0481299



Monisha Banerjee
(Chief Executive Officer)



Certificate of Merit is awarded to

SAKSHAM TALWAR

for successfully completing 82 hours of training on

Certificate in Excel Proficiency and Analytics

from Anudip Foundation Skill and Career Development Centre

at Gurgaon, Haryana.

Grade :- A

Duration :- October 2024 to December 2024

Student Reg. No. :- HRGSH/AF0454447



Monisha Banerjee
(Chief Executive Officer)



GALACTIC PROBLEM SOLVER

The 2025 NASA International Space Apps Challenge proudly presents this certificate to

Saksham Talwar

for outstanding participation and efforts to address
challenges we face on Earth and in space.

A handwritten signature in black ink.

Dr. Keith Gaddis

Program Scientist, NASA International Space Apps Challenge

Date

October 4–5, 2025



IN PARTNERSHIP WITH





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IQAC
Internal Quality Assurance Cell

GDG New Delhi GDG Cloud Noida



HACK
QUEST

CODING
NINJAS



Career
Launcher

CERTIFICATE

OF PARTICIPATION

PROUDLY PRESENTED TO

Saksham Talwar (98)

for actively participating in **Hack KRMU 4.0**, organized by **K.R. Mangalam University, Gurugram**.
Their enthusiasm, dedication, and problem-solving approach have contributed to the spirit of
innovation and collaboration in this hackathon.

Shweta Bansal

Dr. Shweta Bansal
Convenor, Hack KRMU 4.0



Amar Saraswat

Dr. Amar Saraswat
Convenor, Hack KRMU 4.0

