



EDUCATION

MPSTME, NMIMS University B. Tech in Computer Engineering CGPA: 3.85/4.0	2022 - 2026
Mahadevi Birla World Academy, Kolkata CBSE: 86.6%	2020-2022
Mahadevi Birla World Academy, Kolkata CBSE: 94.4%	2020

PROJECTS

Mindful Pet Chrome Extension – 2025

Created a Tamagotchi-style browser companion using JavaScript, HTML/CSS, and Chrome Extension APIs, designed to promote mindful browsing habits. The floating on-screen pet responds to real-time user activity, growing and evolving as users stay focused on productive sites. Planned gamification features such as pet customization, productivity streaks, and focus-level achievements to increase user engagement.

Pixi – Desktop Pomodoro + Timer App – 2025

Designed and developed a visually engaging productivity timer using Python, Tkinter, and Pillow, featuring a pixel-art inspired interface. Pixi includes Pomodoro, Workout, and Custom timer modes with animated visual feedback and sound cues to support focused workflows. Implemented local data tracking with SQLite to log session history and usage statistics.

Credit Card Fraud Detection – 2025

Developed and evaluated machine learning models using Python and Scikit-learn to detect fraud in highly imbalanced credit card transaction datasets. Applied feature scaling and resampling techniques to improve model performance. Achieved strong classification results based on precision, recall, and F1-score, and tested robustness by validating predictions on randomized input scenarios.

Online Movie Ticket Booking System – 2025

Built a modular microservices-based movie ticket booking platform using Spring Boot for backend services, MySQL for persistent storage, and Docker to containerize each service, including user management, movie listings, booking, and payment processing. Deployed and orchestrated the services with Kubernetes for scalability and resilience. Designed and implemented RESTful APIs, and developed the frontend using React, enabling a seamless and responsive user experience.

INTERNSHIPS

Force Power Infotech Pvt Ltd, Kolkata

App Development Intern | May 2025 – July 2025

- Collaborated with the mobile development team on internal business applications and client-facing solutions.
- Contributed to UI design improvements and implemented interactive components using Android (Java/Kotlin).
- Assisted in integrating RESTful APIs for real-time data sync and backend communication.
- Participated in testing, debugging, and optimizing app performance across various Android devices.

CERTIFICATIONS & PUBLICATIONS

- ISC2 Certified in Cybersecurity (CC)
- Trainity Data Analytics Certification Course

CORE SKILLS

Technical Skills:

Languages: Python, Java, C++, JavaScript, SQL, HTML, CSS

Web & App Development: React, React Native, Vite, Tailwind CSS, Node.js, Android (Java/Kotlin), Flutter

Database & Backend: Firebase (Auth & Firestore), MySQL, REST APIs

Machine Learning & Data Science: Scikit-learn, OpenCV, TensorFlow, MS Excel, Tableau

Tools & Frameworks: Spring Boot, Docker, Kubernetes, Git, Chrome Extension APIs

Soft Skills:

Team Collaboration, Problem Solving, Communication, Time Management, Adaptability, Initiative, Critical Thinking, Technical Documentation

ACHIEVEMENTS & POSITIONS OF RESPONSIBILITY

- App Development Executive at Google Developer Students Club – Contributed to app development for MPSTME OnTrack, collaborating in a student-led tech team.
- Subhead, IHC – Led a 15-member team during Taqneeq 15.0, NMIMS's annual tech fest, overseeing event planning and coordination.