

SAKSHAM MAHNOT

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Portfolio: <https://sakshamj.netlify.app/>

Results-driven MCA student (currently pursuing) with hands-on experience in full-stack web and mobile development using MERN stack, React Native, and Firebase. Proficient in API development, database optimization, and cloud integration. Proven track record of improving project efficiency by up to 40% through scalable solutions and team collaboration. Recognized for IEEE research publication, leadership roles, and academic excellence.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, C, C++, XML,

Frontend & UI: React.js, HTML5, CSS3, Bootstrap, WordPress,

Backend & APIs: Node.js, Express.js, RESTful APIs, 3rd-Party API Integrations (Razorpay, India Post),

Mobile Development: React Native, Kotlin,

Databases & Cloud: MySQL, MongoDB, AWS (Compute / IAM / S3), Firebase,

Developer Tools: Git, GitHub, Postman, Figma, Canva, VS Code,

Other Competencies: UI/UX Design, Prompt Engineering, Foundational Cybersecurity, Video Editing

PROFESSIONAL EXPERIENCE / INTERNSHIPS

Full Stack Web Developer Intern: SkipWithTrips

May 2025 – present

Travel tech startup providing booking solutions

- Built and deployed MERN-stack travel platform with integrated payment APIs, reducing manual booking operations by 40%.
- Developed secure REST APIs and role-based authentication, improving response efficiency by 25%.
- Created dynamic admin dashboards using React.js/Node.js, enhancing real-time management by 30%.

Web Developer and Graphic Designer Intern: Goto Admission

Nov 2022 – Feb 2023

Educational admissions organization

- Converted static designs into responsive web pages, decreasing content update time by 60%.
- Optimized UI/UX flow with enhanced accessibility, increasing session duration by 35%.

Cyber Security Intern: Gurugram Police Cyber Cell HQ

Jun 2021 – Jul 2021

- Assisted in analyzing threat data for 15+ real-case investigations with an awareness drive impacting 500+ students.
- Participated in training on digital forensics and ethical hacking tools.

PROJECTS

a. Arihant Enterprises Invoice (React, MySQL):

Tech Stack: React.js, Node.js, Express, MySQL, Prisma ORM, JWT

- Full-Stack Architecture: Engineered a scalable ERP solution using React and Node.js, automating invoicing and gate pass workflows to replace manual processes.
- Secure Backend: Implemented JWT authentication and Role-Based Access Control (RBAC) to secure sensitive financial data and RESTful API endpoints.
- Database Optimisation: Migrated data storage to a centralised MySQL database using Prisma ORM, ensuring data integrity and faster query performance.
- Key Integrations: Integrated GST Verification APIs for real-time validation and automated PDF generation, significantly reducing data entry errors.

b. Expense Tracker / Plant Pal / CampusZone (Mobile Apps):

Created React Native, Kotlin and Java apps with Firebase and API integration for real-time data sync.

- Built secure login systems using Firebase Auth and configured Firebase rules for safe data access.
- Designed clean, responsive UIs with reusable components and optimised app performance.
- Integrated APIs, and offline-first features using local storage.
- Implemented analytics, role-based dashboards, and deployed APKs with thorough testing.

c. **Safarr an AI Travel Planner:**

Automated an AI-powered travel itinerary assistant using BotPress, improving trip planning accuracy by 25%.

- Integrated BotPress chatflows with custom actions to generate dynamic, user-specific travel itineraries.
- Connected with BotPress APIs for live weather, location data, and travel recommendations.
- Designed a clean, responsive UI and optimised conversation flows for faster user interactions.
- Implemented data caching, error handling, and analytics to enhance reliability and user experience.

d. **Portfolio Website / ChatGPT Clone / Airbnb Clone**

Developed and deployed fully responsive **frontend websites** using **HTML5, CSS3, and JavaScript (ES6+)**, hosted on GitHub Pages.

- Built interactive UI components and clean layouts following modern web design principles.
- Implemented responsive styling, animations, and streamlined navigation for a smooth user experience.
- Optimized performance, accessibility, and cross-browser compatibility across all devices.

e. **Movie Search Portal**

Built an API-powered JavaScript application to fetch and display movie details with a smooth light/dark mode UI toggle.

- Implemented dynamic search functionality using API integration.
- Designed clean, responsive UI components with intuitive user interactions.
- Added theme-switching logic and optimized DOM updates for better performance.

f. **Invisible Man Project**

Developed a computer-vision-based “Invisible Man” effect using Python and OpenCV, with an interactive UI built in Streamlit.

- Implemented background subtraction, masking, and real-time frame processing for the invisibility effect.
- Built a clean, user-friendly interface in Streamlit for live camera input and parameter controls.
- Optimized performance and handled noisy frames for smooth visual output.

EDUCATION

Master of Computer Application (MCA): Christ University, Delhi NCR

Aug 2024 – Present

Bachelor of Computer Application (BCA): Institute of Management Studies, Noida

Sep 2020 – Aug 2023

CERTIFICATIONS

MERN Stack: Full Stack Web Development Course from Code Karo,

Python Course: DigiSaksham (Microsoft), Intel Unnati,

Cloud Foundations certification: AWS Academy Graduate,

DevOps Course: DevOps 101: What is DevOps? and Pursuing DevOps Course Certification from Intellipaat.

ACHIEVEMENTS & AWARDS

- Research Publication (IEEE ICICV 2025): Cybersecurity Threats Detection in IoT Using Deep Learning Approach.
- Academic Awards: Excellence in MCA (Christ University) and Outstanding Performance (IMS Noida 2022).
- Leadership: Student Council Representative and Cultural Club Head: coordinated 10+ campus events.