

# KARTIC JOSHI

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## EDUCATION

### Dr. Akhilesh Das Gupta Institute of Technology & Management

B.Tech Information Technology *92.00%*

New Delhi, India

Dec 2020 - Jul 2024

### Arwachin International School, Delhi

Senior Secondary *88.83%*

Delhi, India

- Mar 2020

### Arwachin International School

Secondary School *95.00%*

Delhi, India

- Apr 2018

## PROFESSIONAL EXPERIENCE

### Acowale

*Full Stack Web Developer Intern*

Remote

Aug 2022 - Jan 2023

- Developed new product's authentication system: Google/FB login, custom OTP.
- Proficient in Figma, Slack, Trello; focused on Figma ,Backend technologies
- Collaborated globally; built React+Tailwind web app, optimized code, custom components.
- Directly engaged CEO, contributed innovative app ideas.

## SKILLS

Programming Languages: JavaScript, C, C++, React JS, React Native, TypeScript, HTML5, CSS3, NodeJs  
Database: MongoDB, SQL, Postgres SQL, Firebase CloudStore, Mongo Atlas  
Tools: Github, VsCode, MongoCompass, Expo  
Frameworks: Express, puppeteer web scraping, Tailwind CSS, SCSS, Zustand

## PROJECTS

**Attendex** *TypeScript, Postgres, Redis, Bash, python, Supabase, React, Node.js, Express, Vite PWA, Tauri, React Native, Cloudflare, nginx, docker,Zustand*

<https://github.com/Megahedron69/Attendex>

- Streamlines attendance using NFC, geofencing, biometric passkey, and dynamic QR codes, with employee dashboards for tracking attendance, leave requests, and admin dashboards for multi-organization wide attendance management and leave handling
- *Backend:* Built with Supabase, Node.js, and Express, using Postgres for the main database and Redis for caching. Features secure HTTP/2 setup with SSL/TLS, rate limiting and protection against many attacks.
- *Frontend:* Responsive, multi-platform UI built with TypeScript, Vite, and Ant Design, with TanStack for caching. Includes PWA using Vite PWA, iOS/Android companion app via React Native, and Windows/ macOS app with Tauri. Features Supabase OAuth with mfa
- *Deploy:* Hosted on custom domain, containerised using docker, reverse proxy using nginx and domain management via cloudflare

**EcoSorter** *React-Native, Python, Tanstack React Query, TensorFlow, Jupyter, WebScraping, Firebase, Firestore*

<https://github.com/Megahedron69/EcoSorter>

- Created a dataset of 25,000+ images classified into 8 types of garbage, trained a Keras model with 97% accuracy, and converted it to TensorFlow and TFLite for mobile and embedded device deployment.
- Created a secure multi themed react-native app with authentication that helps user to sort their waste into 8 different categories with the help of their camera devices .
- Implemented interactive maps to help users locate nearby garbage treatment facilities, with charts and info tabs on waste management tips, plus a global leaderboard for score tracking.
- Integrated custom and scheduled notifications using Firebase Cloud Messaging (FCM), currently in internal testing on Google Play with 11 active users.

**Memories** *Mongo Atlas, Express Js, Firebase, React Js, Node Js, Tailwind CSS*

<https://github.com/Megahedron69/Memories>

- Created "Memories," a web application using the MERN stack, with a focus on enhancing users' ability to manage and relish their cherished photographic memories.
- Implemented Multiple Authentication Methods, leveraging Google Firebase and Firebase hooks, to ensure secure and versatile sign-in options, resulting in easy user registration.
- Improved storage and loading efficiency by incorporating Image and Data Compression techniques, reducing storage size and decreasing page load times .
- Designed a visually appealing and user-friendly UI using Flowbite and React Skeletons.