# Vaskar Chandra Das

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## Education

**Master of Computer Application**                                  Barrackpore, West Bengal
*Swami Vivekananda University*                                                           *2024*
**Bachelor of Science Honours**                                      Kanchrapara, West Bengal
*Kalyani University*                                                                     *2019*

## Experience

**iRM Cloud**                                                          Sep 2023 – Present
*Software Development Engineer II*                                     *Kolkata, West Bengal*
- **Enterprise Risk Management System (Internal Audit and Governance, Risk, and Compliance):**
  * Developed audit system with **RBAC/ABAC** controls using **TypeScript**, **Next.js** and **Node.js**.
  * Set up **policy-based access control** to restrict user module visibility.
  * Implemented **NextAuth.js** with **Google 2FA** for secure, seamless app authentication.
  * Built **design system** using **Storybook.js** and **React.js** for consistent UI and better team collaboration.
  * Used **WebSockets** and **Webhooks** for **real-time** dashboard updates, **cutting server load** and boosting speed **50%.**
- **Information Technology General Controls (ITGC):**
  * Designed and implemented a key **ITGC** system using **TypeScript**, **Next.js**, and **Node.js**, ensuring compliance and data integrity.
  * Created intuitive and **responsive** user interfaces with **Mantine UI library**, improving data visualization using **Nivo** and **Highcharts** libraries and user interaction, leading to a **20% increase in user satisfaction**.
  * Implemented RBAC, used **Node.js** for 30% faster response, and added **WebSockets** for **real-time updates**.

**Webhibe Technologies Pvt. Ltd.**                                    Apr 2023 – Aug 2023
*ReactJs Developer*                                                    *Kolkata, West Bengal*
- **E-Commerce and Travel Applications:**
  * Integrated **Stripe** for secure payments and **real-time** inventory with **React.js and Node.js** for seamless user experience.
  * Leveraged **Next.js** for **server-side rendering**, **enabling real-time booking updates**.
  * Implemented **auto logout** after 30 minutes of inactivity and enforced device-specific login with **Firebase** Realtime Database, ensuring secure **single-device access** and enhancing account protection against unauthorized logins.

## Technical Skills

**Languages**: HTML, CSS, JavaScript, TypeScript, MQL & SQL
**Technologies**: React.js, Next.js, Storybook, Redux, Express.js, Node.js

## Projects

**Travel Application** | *Mantine UI Library, Next.js, Node.js, Express.js and MySQL*        ○ github/code 🔗 natours.app
- *Next-generation version in active development. Current MongoDB-based codebase represents previous iteration with partial features. Advanced functionalities still under development.*
- Implemented **JWT authentication**, Stripe payments, multer file uploads. Added **protected routes**, **role-based access**. Enabled tour filtering, bookings, profile management. Used **WebSockets** for **real-time notifications**. Features: favorites, bookmarks, image sharing. MongoDB database, Express.js backend, **React** frontend.

**MoviePedia** | *Sass & React.js*                                                         ○ github/code 🔗 moviepedia.app
- Implemented **shimmer effect** for smooth loading. Applied **lazy loading** to images. Developed sophisticated **filtering** and **sorting** for dynamic movie **searches** based on various attributes.

**Foodify** | *React.js*                                                                   ○ github/code 🔗 foodify.app
- **ReactJS**-powered food ordering app with **Firebase** integration. Features real-time menu updates and simulated ordering system. Demonstrates modern web development skills.

**Expense Tracker** | *React.js*                                                           ○ github/code 🔗 expense.app
- It is a dynamic **React** app featuring full **CRUD** functionality, along with year-wise **filtering** to efficiently manage and track monthly expenses.