

# Virochna Saxena

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## EDUCATION

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**VIT Bhopal University** – Bhopal, MP

**B.Tech. in Computer Science** | Sep 2022 – Present | CGPA: 8.46

**Class XII – CBSE Board** | Apr 2021 – May 2022 | Score: 84.5%

**Class X – CBSE Board** | Apr 2019 – Mar 2020 | Score: 94.5%

## PROJECTS

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**Budget Balance - Smart Personal Finance App** – Next.js, Typescript, Tailwind, CSS, Genkit, OCR

- Built a responsive personal finance app to track expenses and generate AI-powered spending insights
- Integrated Genkit AI to provide smart budgeting suggestions, detect anomalies, and analyse transaction behaviour.
- Implemented OCR-based receipt scanner to extract merchant name, date, and amount from physical receipts.
- Added Multi-currency and Travel Mode to automatically convert foreign transactions and analyse travel spending.
- Designed a shared wallet feature for splitting bills and tracking group expenses.
- Developed a personalized dashboard with animated greetings and daily summaries for enhanced user engagement.

**MedWise Health Assistant App** – Kotlin, Java, Android Studio

- Engineered core chatbot functionalities to provide accessible medical information, enhancing user access to health resources by 20%.
- Implemented robust data retrieval algorithms, achieving a 95% accuracy rate.
- Integrated multiple medical databases and APIs, decreasing data retrieval time by 25%.
- Optimized data flow and boosted response time by 30%.
- Collaborated with a team of 4 to design, develop, and implement the chatbot's backend architecture.
- Executed user testing and refined the user experience through iterative feedback integration, leading to increased user satisfaction.

## TECHNICAL SKILLS

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- **Programming:** Java, Python, HTML CSS, JavaScript – React/Node.js, MySQL
- **Cloud/AI:** AWS Solutions Architect, Google Cloud, OpenAI API
- **Tools:** Git, Docker, MongoDB, Android Studio, Figma

## CERTIFICATIONS

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- Cloud Computing - SWAYAM NPTEL
- Fullstack MERN with MongoDB - Smartbridge
- GEN AI Using IBM Watsonx
- Introduction to Data Analytics - Coursera
- MATLAB Simulink Onramp - MathWorks
- Winter Internship Technical Training Program - India Space Lab

## EXTRA-CURRICULARS

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- Member, Health-o-Tech Club: Organized 5+ hackathons and tech sessions on healthcare innovation.
  - India Space Lab Trainee: Completed intensive program on space entrepreneurship, CANSAT/CubeSat development.
  - 2x Runner-Up, College Chess Tournament (2023-2024)
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