# KOKUL M

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in /kokul-m-71a171326 | ○ Kokul24 | 🌐 Portfolio

## SUMMARY

Third-year Computer Science student with strong problem-solving skills and a keen interest in software engineering and networking. Passionate about building efficient systems, exploring modern technologies, and contributing to impactful projects. Experienced in MERN stack development, embedded programming, and mobile app development.

## EDUCATION

**Amrita Vishwa Vidhyapeetham**
*Bachelor's in Computer Science*     *2023 – 2027 (Expected)*
CGPA: 7.09
**Velammal Vidhyashram, Surapet**     Chennai, India
*Class 12*     *2022*

## PROJECTS

**StudSync: A Student Management App**   Link

- Developing a cross-platform mobile app using Flutter for efficient student and staff management.
- Core features: attendance tracking, timetable/period scheduling, and staff availability status.
- Designed intuitive UI for seamless interaction and implementing real-time data updates.
- **Tech Stack:** Flutter.

**Humanoid Robot for Medical Applications**   Link

- Developed a humanoid robot prototype using STM32 microcontroller for assisting in medical applications.
- Designed and programmed the display interface subsystem to enable intuitive visual interaction between the robot and the user.
- Implemented real-time data visualization on the screen for patient status updates and robot feedback.
- **Tech Stack:** Embedded C, STM32, Display Modules.

**NoteFreq**   Link   *MERN Stack*

- **Authentication & Security:** Implemented secure JWT-based authentication with bcrypt hashing, including real-time password strength indicators and visibility toggles.
- **UI/UX Design:** Created a responsive design featuring colorful gradient cards, smooth animations, a frosted glass login page, and instant toast notifications for updates.
- **Core Functionality:** Enabled full CRUD note management, smart search with modal interfaces, and user-specific private data isolation.
- **Tech Stack:** MongoDB, Express.js, React.js, Node.js.

## SKILLS

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|---|---|
| **Programming Languages** | C, C++, Python, Java, JavaScript, SQL |
| **Web Development** | HTML, CSS, React.js, Node.js, Express.js, MongoDB |
| **Mobile Development** | Flutter (Beginner) |
| **Technical Interests** | Networking, DBMS, Full-stack web development |