

# Anjali Kamal

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Aspiring software developer with strong foundations in full-stack development and problem-solving. Passionate about leveraging technology to create impactful and user-friendly applications. Experienced in AI/ML, IoT, and accessibility-focused applications. Skilled in C++, Python, React.js, and Data Structures. Adept at collaborative development, system design, and building accessibility-focused solutions. Actively seeking opportunities to contribute technical expertise in a professional mentorship setting.

## Education

**Indian Institute of Information Technology, Jabalpur** 2023 - 2027  
Bachelors of Technology in Smart Manufacturing Madhya Pradesh

## Professional Experience

[\[GITHUB LINK\]](#)

### Summer Intern

Jaipur Metro Rail Corporation (JMRC) | Jaipur, Rajasthan Jun 2025 - Aug 2025

- Built a full-stack Smart Complaint Portal with real-time tracking.
- Developed a voice recognition module for AFC hardware systems; integrated SMPS signaling.
- Implemented secure authentication and scalable API integration.

### Core Committee Member | Social Media & Design Team

Astronomy & Physics Society, IIIT Jabalpur | Jabalpur, Madhya Pradesh Nov 2024 – Jan 2025

- Designed and deployed a high-performance responsive website (SSR/SSG).
- Enhanced cross-browser compatibility, performance testing, and UI/UX.

### Open Source Contributor

GirlScript Summer of Code (GSSoC'24) May 2024 - Aug 2024

- Contributed to open-source projects: UI improvements, bug fixes, and documentation.
- Strengthened debugging, version control, and CI/CD practices.

## Projects

### APS-IIITDMJ Official Platform – Club Management

**Tech:** Next.js (TypeScript), Tailwind CSS, Firebase, Gemini API

- Architected and deployed the official society platform serving 1,000+ students; established a CI/CD pipeline on Vercel for seamless automated deployment.
- Optimized application performance using Server-Side Rendering (SSR) and Static Site Generation (SSG), significantly improving SEO and reducing page load latency.
- Integrated Google Gemini API to build an AI-powered chatbot.

### NeuroSpeak – AI Assistive Communication Device

**Tech:** TensorFlow, OpenCV, React Native, Firebase, IoT

- Developed a multi-modal communication device for non-verbal users, integrating OpenCV for real-time eye-tracking and TensorFlow for predictive speech modeling.
- Engineered a cross-platform ecosystem with a React Native companion app and Firebase backend for real-time health monitoring and secure cloud syncing.

## JMRC Smart Complaint Portal

**Tech: PHP, MySQL, Bootstrap 5, JavaScript, Apache**

- Developed a comprehensive complaint management system using PHP and MySQL; digitized manual workflows to enable secure grievance submission and real-time application tracking.
- Engineered role-specific dashboards for Users and Admins using Bootstrap 5, featuring graphical statistical overviews and bulk complaint management tools to optimize operational efficiency.
- Implemented robust security measures including password hashing and prepared statements to prevent SQL injection, ensuring data integrity and secure role-based access control.

## Palate – AI-Powered Smart Culinary Assistant

**Tech: Next.js 14, Tailwind CSS, Supabase (PostgreSQL), Prisma ORM, Framer Motion**

- Developed a full-stack recipe management ecosystem using the Next.js App Router; integrated Supabase Auth and Middleware to establish secure, role-based access control for user-specific data.
- Engineered a responsive, mobile-first interface with Tailwind CSS and Framer Motion, optimizing user experience through dynamic recipe CRUD operations and an interactive 7-day meal planning calendar.
- Implemented Prisma ORM for type-safe database interactions, efficiently managing complex one-to-many relationships between users, recipes, and weekly meal plans to ensure data integrity.

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## Key Skills

- Languages: C++, Python, JavaScript, TypeScript, SQL, HTML, CSS.
- Technologies : React.js, Next.js, Node.js, Flask, TensorFlow, Flutter, RESTful APIs
- Tools & Platforms: Git, GitHub, AWS, Vercel, Firebase, MongoDB, VS Code, Postman, CI/CD

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## Achievements & Leadership

- Oracle & McKinsey Certified: Acquired advanced predictive modeling and digital problem-solving skills through professional certification tracks.
- Top 10% among 80,000+ (AlgoUniversity Graphs Camp): Mastered DSA fundamentals and topics under the mentorship of a Codeforces Master.
- Top Contributor (GSSoC '24): Selected from 20,000+ applicants to collaborate on and optimize open-source codebases.
- National Finalist (ABU DD Robocon 2025): Designed an autonomous robot to represent IIITDM Jabalpur at IIT Delhi.
- Core Committee Member (Astronomy and Physics Society): Managed official website and led digital outreach campaigns impacting 1,500+ students.
- Organizing Committee Member (Tarang & Abhikalpan): Managed logistics and operations for 5,000+ participants with a 20-member execution team.