

# AMAL PAUL

Thrissur, Kerala

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Professional Summary Aspiring software developer with a Bachelor's degree in Computer Science and Engineering. Skilled in frontend and backend development, with experience in React.js, Firebase, and API integration. Proven ability to deliver responsive, user-friendly applications. Looking for opportunities to apply my technical skills and passion for technology to build innovative solutions.

## Education

**Bachelor's degree in Computer Science and Engineering**  
*Sahrdaya College of Engineering And Technology, Kodakara, Kerala*

*KTU University*  
*2019 - 2023*

*CGPA: 7.52/10*

*Relevant Coursework: Data Structures, Algorithms, Operating Systems, DBMS*

**High School Education**  
*Nirmala Matha Central School, Thrissur, Kerala*

*CBSE*  
*2017 - 2018*

*Stream: Computer Math*

*Final score: 71%*

Technical Skills **Programming Languages:** C, Python, Java, JavaScript

**Frontend:** HTML, CSS, JavaScript, Bootstrap, jQuery, React.js, Redux

**Backend:** Node.js, Express.js

**Database:** MySQL, MongoDB (Basic)

**API Testing Tools:** Postman

**Frameworks:** Flutter, Bootstrap

**Developer Tools:** VS Code, Git

**Others:** Firebase, REST APIs, Vite

## Projects

**Blog App** (Skills: React, Redux, Appwrite, Tailwind, APIs)

- Developed a full-stack blog application with user authentication, CRUD functionality for blogs, and secure session management using Appwrite.
- Built a responsive and accessible frontend using React, Redux for state management, and Tailwind CSS for styling.
- Utilized Redux for efficient state management, ensuring a scalable and maintainable application architecture.
- Configured CORS policies to ensure secure API integrations and seamless deployment on Vercel.
- Implemented React optimization techniques like forward refs and lazy loading to enhance performance and scalability.
- Deployed the application to Vercel with a focus on SEO and runtime performance optimization.

**CoWage App** (Skills: Java, XML)

- Developed the frontend of a service-based application using Java and XML.
- Integrated with MySQL database for data storage and retrieval.
- Utilized Flask as the backend server.

### **Netflix Clone** (Skills: React.js, CSS, Firebase)

- Developed a Netflix-like website using React.js for the frontend.
- Implemented user authentication and data storage with Firebase.
- Used Axios to fetch movie and TV show data from the TMDB API.
- Created interactive features such as search and user-specific watch lists.

### **Expense Calculator App** (Skills: Flutter, Dart)

- Created a mobile application to help users track and manage their expenses.
- Used the charts\_flutter package to generate insightful spending visualizations.
- Implemented features for adding, removing, and modifying expense items.

### **Gemini Clone** (Skills: React, Context API, CSS, Google Generative AI, Vite, REST APIs)

- Developed a clone of the Gemini platform, focusing on creating a responsive and user-friendly interface using React and Context API for state management.
- Implemented key features such as dynamic prompt handling, real-time response generation, and customizable user settings.
- Integrated Google Generative AI API to enable intelligent and contextual responses to user prompts.
- Used Vite for fast development and optimized builds, ensuring cross-browser compatibility and performance optimization.
- Enhanced UI/UX with CSS for styling and responsive design to maintain usability across different devices.

### Soft Skills

- Strong problem-solving abilities and attention to detail.
- Effective communication and teamwork skills.
- Ability to manage time efficiently and meet project deadlines.
- Adaptable and quick to learn new technologies and methodologies.

### Certifications

- **Front End Web Development** - [Udemy], [2024]
- **Front End Development(React)** - [HackerRank], [2024]
- **UI/UX** - [Career Ninja], [2024]
- **TCS iON Career Edge - Young Professional** - [TCS], [2023]