

ARUN KARTHIK K

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EDUCATION

Year	Degree/Certificate	Institute	CGPA/Percentage
2024	MCA	PSG College of Arts and Science, Coimbatore	8.20/10.00
2022	B.sc CS	PSG College of Arts and Science, Coimbatore	7.90/10.00
2019	Class XII, SSLC	Sri Ramakrishna Matric Higher Secondary School,Coimbatore	84%
2017	Class X,SSLC	Hilton Matric Higher Secondary School, TN	97%

SKILLS AND COURSEWORK

Languages and Libraries: C | C++ | Javascript | TypeScript | HTML | CSS | GSAP | Bootstrap | Shadcn UI | Material UI | Redis
Development Frameworks: ReactJS | ThreeJS | VueJS | TailwindCss| NodeJS | NextJS | ExpressJS | NestJS
API and Databases : REST API | GraphQL | MySQL | MongoDB
Devops and Testing: CI CD| Docker | Postman | Jmeter
Others : Data Structures and Algorithms | DBMS | Git and Github
Coursework: NodeJS,Express,MongoDB-The Complete Bootcamp | The Complete SQL Bootcamp(Udemy) | The Ultimate React Guide 2023(Udemy) | ChatGPT The Complete Prompt Engineering Guide(Udemy)

PROJECTS

- PinQuest - A MERN Stack Social Hub with contests

Sep'23 - Oct'23

 - Implemented an unique contests feature for user engagement where winners are declared based on the number of likes using nodecron.
 - Implemented secure authentication using **Passport-local** ensuring robust and reliable login system.
 - Engineered the backend with **Express.js**, seamlessly connecting to **MongoDB** using **Mongoose** for efficient data storage and retrieval.
 - Crafted an intuitive and responsive user interface with EJS on the frontend, providing a visually appealing experience for users.
- Handpose Detection

Nov' 23

 - Implemented handpose detection using **TensorFlow.js** to accurately identify and track hand movements in real-time.
 - Integrated the model results into a user-friendly interface, providing a seamless and interactive experience for users to visualize and understand hand poses.
- Chat App

Dec' 23

 - Designed and developed a Fullstack Chatting application(MERN stack) from scratch, enabling users to engage in both one-on-one and group chats with options allowing users to create, join, and manage group conversations, including customization of group settings.
 - Utilized a comprehensive technology stack, including **NodeJS**, **ExpressJS**, **Socket.io**, **ReactJS**, **ChakraUI**, and **MongoDB Atlas**.
 - Developed a responsive user centric website and used **bcrypt** and **jwtTokens** for adding another layer of security and relaxed experience.
- Promptomania - Read to use prompts

Jan '24

 - Created a user-ready prompts application from scratch, allowing registered users to efficiently store, retrieve, update, and delete prompts, enhancing productivity. Used **Next.js**,**MUI** and **TailwindCss** for creating front end of the application including the prompts-feed page.
 - Developed the project's backend using **Node.js** and **Express.js**, leveraging **MongoDB** as the database to ensure data storage and retrieval.
 - Implemented a layer of security by using **NextAuth** and **GoogleProvider** for user authentication.

INTERNSHIPS

- Web Development Intern | Coderscave | Coimbatore, India

May' 23-June' 23

 - Developed a Portfolio website using **GSAP** with Scroll Triggers and seamlessly blending animations.
 - Built a **React Movie Rating Application** as a second project providing real-time data of movies using the **OMDB API**.
 - Netflix Clone of the home page with **ReactJS** and **Axios** delivering an immersive user experience with slick user interface.
- Data Science Intern | Exposys DataLabs | Bangalore, India

Jun' 22-July' 22

 - Leveraged **Python** and **Jupyter** to create and train machine learning **models**, utilizing **Pandas** for data manipulation and implementing diverse ML algorithms to accurately **predict company profits**.
 - Contributed to informed decision-making by providing insights derived from the analysis of company data, enabling stakeholders to strategize based on predicted profit outcomes.

EXTRA CURRICULAR ACHIEVEMENTS

- Clinched the **Gold** in **Nepal** Badminton Junior **International** Series 2020 **Boys Doubles** where athletes from all over the world participated.
- Maiden** International Podium finish with a **Bronze** in **Bangladesh** Junior **International** Series 2020 Boys Doubles.
- Wrapped up my **juniors** with the career highest rank **World No. 190** in **Boys Doubles**, as per **BWF ranking 2020** in **Badminton**.
- Attained the esteemed title of **Former India No. 24** in Badminton Boys Doubles.
- Secured the prestigious **Gold Medal** at the CM Trophy State Meet in 2023 in Men's Doubles **U23**.
- Led my team to the finals in the Tamil Nadu Badminton Super League, where my leadership skills, team-building sessions and instinctive decisions proved to yield good results throughout the tournament.