

AKULA PREM KUMAR

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 Portfolio |  premkumar-akula |  Prem Kumar Akula

PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented **Full Stack Developer** with hands-on experience in building dynamic, responsive web applications using **MERN** (**MongoDB, Express.js, React.js, Node.js**) and **Python frameworks** (**Flask, Django**). Proficient in both **front-end and back-end development**, with strong skills in **HTML, CSS, JavaScript, and Bootstrap** for creating modern, user-friendly interfaces. Experienced in designing and integrating **RESTful APIs**, managing databases using **MongoDB and MySQL**, deploying full-stack applications on **Render**, and utilizing **GitHub** for version control. Passionate about problem-solving and committed to delivering efficient, scalable, and high-performance web solutions.

TECHNICAL SKILLS

- Programming Languages:** Python, Core Python, Advanced Python.
- Front-end Technologies:** HTML, CSS, JavaScript, React.js, Bootstrap, Tailwind, MaterialUI.
- Back-end Technologies:** Node.js, Express.js, Flask, Django, FastAPI.
- Database Systems:** MySQL, MongoDB.
- Tools:** MsExcel, Power BI, VsCode, PyCharm, Github.

EDUCATION

PG (MCA) at Aurora's Pg College	(GPA: 7.82/10.0)	2025
Bachelor's Degree (MSCS) at Master's Degree College	(GPA: 8.95/10.0)	2023
Class 12th Siddarth Adarsha Junior College	(GPA: 8.82/10.0)	2020
Class 10th ZPHS School	(GPA: 9.50/10.0)	2018

PROJECTS

LIBRARY MANAGEMENT SYSTEM – FULL STACK (FLASK + MONGODB)	Live
Developed a full-stack Library Management System using Flask, Python, MongoDB Atlas, HTML, CSS, Bootstrap, and JavaScript . Implemented secure User/Admin authentication , book and category management, borrowed book tracking, and a Support Ticket System for issue reporting. Designed responsive, user-friendly pages with efficient CRUD operations and deployed the application on Render with a cloud-hosted MongoDB Atlas database.	

FULL-STACK PORTFOLIO WEBSITE (REACT + FLASK)	Live
Developed a fully responsive full-stack portfolio website using a React frontend and Flask backend . Integrated RESTful APIs , managed form submissions, and deployed both services on Render . Designed a clean, user-friendly interface to deliver a smooth browsing experience across devices. Ensured smooth functionality by following clean coding practices and organized project structure.	

COFFEE STORIES – A WEB APPLICATION USING NODE.JS AND EXPRESS	github
Developed a dynamic full-stack platform for exploring and sharing coffee recipes and stories . The application was built with Node.js, Express, MongoDB, HTML, CSS, and JavaScript , featuring recipe browsing, category-based filtering, and user-generated content. Implemented CRUD operations for managing recipes and user interactions. Designed a responsive and user-friendly UI.	

SIMON SAYS – A MEMORY GAME USING HTML, CSS, AND JAVASCRIPT [Simon-Game](#)

Built a web-based version of the classic Simon Says game to enhance memory and focus through interactive play. Developed using **HTML, CSS, and JavaScript**, the game challenges users to repeat an increasingly complex color sequence. **Implemented dynamic DOM manipulation, event listeners, and array-based game logic** for managing sequence progression and user input. Designed a fully responsive UI with **keyboard controls for starting and resetting the game**.

CERTIFICATIONS

- Certificate of Young Professional released by "**TCS**".
- Certificate of **Great APPSEC Hackathon**.

ACCOMPLISHMENTS

- Participated in **Great APPSEC Hackathon**.
- Secure Achieved in **TCS iON Career Edge**.

STRENGTHS

- Adaptable to new work environments.
- Demonstrated teamwork and collaboration skills.
- Maintained punctuality and time management.
- Exhibited a positive, hard-working attitude.