

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 back-end**. 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.