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EXPERIENCE

Summer Intern-SRMAP University

- Conducted research on **cloud computing** and **task allocation** algorithms.
- Worked on **optimizing** resource utilization techniques for **hybrid cloud** environments.
- Provides a **marginal** improvement in resource utilization over standalone **ABC and PSO** algorithms.

PROJECTS

Chat Buddies Link Link

Tech Stack: SocketIO, NodeJS, ReactJS, MongoDB, TailwindCSS, context API

- Engineered a **real-time** one-one and group messaging application using **React** and **Node.js**, utilizing **WebSockets (Socket.io)** to establish bi-directional, low-latency communication channels
- Implemented **secure authentication** and optimized database schemas to efficiently store and retrieve chat history for **100+** concurrent users
- **Designed a responsive UI** featuring read receipts, typing indicators ensuring a seamless experience across devices.

EduNoww-App Link Link

Tech Stack: NodeJS, ReactJS, MongoDB, TailwindCSS, Redux

- Built a full-stack LMS platform enabling **course creation, enrollment**.
- Implemented **user authentication and role-based dashboards** for students and instructors.
- Used **Context API** for global state management and theme (dark/light) toggle functionality.
- Integrated **Redux for state managemen**t, improving application performance.
- **Optimized frontend rendering and API calls**, improving page load time by **20%**.

Doctment App Link

Tech Stack: Azure Functions, Azure SQL DB, NodeJS, ReactJS

- Developed a full-stack web application for patients to **book, manage, and track doctor appointments**
- Built **secure authentication** using JWT with role-based access for doctors and patients.
- Integrated **real-time appointment status** and **automatic slot availability updates**.
- Optimized backend APIs with Express.js and MongoDB, reducing response latency by **25%**.

ACHIEVEMENTS

Paper titled "Maximizing Resource Utilization Using Hybrid Cloud-Based Task Allocation Algorithm" accepted at ESPTA'24, IEEE MASS Conference 2024, Seoul, South Korea **Link**

EDUCATION

2021 - 2025	Bachelor's Degree at SRMAP	(GPA: 8.39/10.0)
2019 - 2021	Class 12th BIEAP	(94.2%)
2018 - 2019	Class 10th BSEAP	(GPA: 10.0/10.0)

SKILLS

Languages	C++, JavaScript, C
Tech Stack	React, NextJs, NodeJs, Express, MongoDB and SQL, TailwindCss, Git