

# G K H Mohith

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## EXPERIENCE

Summer Intern-SRMAP University

[Jun 2024 –Oct 2024]

- 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

DoctMent App (Using Microsoft Azure)  [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%**.

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 management**, improving application performance.
- Optimized frontend rendering and API calls**, improving page load time by **20%**.

ChatUpp App  [Link](#)

**Tech Stack:** NextJs, Redis, socketio, nodeJS

- Built a **real-time chat system** supporting instant one-to-one messaging.
- Implemented **efficient message delivery and user presence tracking** across multiple servers.
- Managed **frontend and backend components** in a single turbo-repo for easy development and maintenance.

## 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