

MEGHANA RATHANRAJ

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EDUCATION

BMS College of Engineering, Bachelors of Engineering

Aug 2023

Relevant Coursework: Operating Systems, Computer Networks, Cryptography and Network Security, Database Management, Cloud computing, Software testing, Devops, Artificial intelligence, Unix system programming

EXPERIENCE

CryptApex - Stealth FinTech Startup

Nov 2023 - Present

Founding Full Stack Developer

Bangalore, IN

Independently designed and developed CryptApex's landing page, ensuring a visually appealing and responsive interface to attract investors using NextJS, TailwindCSS and Appwrite

Sival - AI startup

Apr 2023 - Oct 2023

Full Stack Web Developer

Bangalore, IN

Spearheaded front-end development, specializing in design and development of interactive dashboards using React, Material-UI, and Figma. Played a pivotal role in DevOps tasks, including Nginx web server configuration, and Docker containerization to streamline deployment processes.

TIH-IoT - IIT Bombay & MathWorks

Aug 2022 - May 2023

Software Development Intern

Bangalore, IN

Led a team in developing an IoT-based Smart Irrigation System, integrating sensors, weather APIs, and an LSTM deep learning model, demonstrating a 15% reduction in water usage. Devised a cross - platform mobile application using React Native, that interacted with GCP and Thingspeak cloud, to monitor the system

GE Healthcare *Software Intern*

Sep 2021 - Dec 2021

SKILLS

- **Programming Languages:** Java, Python, C/C++, HTML, CSS, JavaScript, Typescript, Go , PHP
- **Frameworks:** ReactJS, Redux, React Native, Next.js, TailwindCSS, MaterialUI, GSAP, Node.js, ExpressJS,
- **Database Systems & Tools:** NoSQL, MySQL, MongoDB, Git, Github, BitBucket, REST APIs, Docker, Kubernetes, Azure, GCP, CI/CD, Linux/Unix systems, GraphQL, Jira

ACHIEVEMENTS

- ★ **Patent Holder** : Awarded a patent (App No. 202341075729) for an innovative Neural Network Architecture crafted for Precision Irrigation
- ★ **IEEE YESIST 12** : Winner of the maker fair track in IEEE YESIST 12, a global ideathon with over 3000 participants worldwide
- ★ **KSCST Grant** : Awarded a Grant by the Government of India to develop and showcase the project titled 'Pedestrian Navigation based on Illumination for Smart Cities'
- ★ **Club President, BMSCE Quiz Club** : Chaired the quizzing committee and led a team in organising diverse quiz events, each drawing over 100 participants, demonstrating adept leadership and resource management.

NOTABLE PROJECTS - (OTHER PROJECTS)

▷ Pedestrian Navigation based on Illumination

A cross-platform mobile navigation app that provides walking directions through the best-illuminated paths of the city while avoiding dark areas

React Native - Expo - Google Maps API - Hyperledger Fabric - Arduino - Javascript

▷ Clique - Shop With Friends

A mobile platform for collaborative curation of products from e-commerce outlets, fostering real-time social interactions through audio and video channels.

Android Studio - Java - Material Design - Vonage API - WebRTC