# KOTLA SURAJ NATH

## ABOUT ME

Enthusiastic and driven postgraduate with a strong foundation in technology and engineering with a keen interest in intellectual property and innovation.. Proven ability to adapt, collaborate, and take initiative. Ready to leverage technical skills and make a valuable contribution to the company.

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🏠 Hyderabad

## EDUCATION

**Master Of Technology in Computer Science and Engineering**

- University College Of Engineering
- 7.6 CGPA

**Bachelor Of Technology in Computer Science and Engineering**

- CVR College Of Engineering
- 9.5 CGPA

**Intermediate**

- Narayana Junior College
- 97.6%

**SSC**

- The Lyceum High School
- 10.0 CGPA

## SKILLS

- Prior Art Search
- Technical Writing
- Patent Drafting Basics
- Patentability Analysis
- Intellectual Property Rights
- Indian Patent Laws
- Asana

## ACHIEVEMENTS

- Produced a thesis that adhered to academic standards for originality, reflecting proficiency in research and technical writing.
- Graduated with Distinction recognizing academic excellence.

## PROJECTS

**IMAGE PROCESSING EDGE DETECTION USED FOR TRAFFIC CONTROL PROBLEM**

- Developed a smart traffic controller using real-time image processing.
- Analyzed image sequences using edge detection algorithms and object counting methods to evaluate the number of vehicles at intersections.

**CLOUD-ENABLED REAL-TIME VEHICLE TRACKING AND FLEET MANAGEMENT SYSTEM**

- Developed a comprehensive fleet management system using an integrated architecture of server, client, and Android app linked to the cloud.
- The Android app registers vehicles and sends real-time location data to the server. The client app, built with HTML, CSS, and JavaScript, features a web dashboard for visualizing vehicle locations via ThingSpeak's cloud service.

**PORTFOLIO WEBSITE USING MERN STACK**

- Developed a professional portfolio website using MongoDB, Express.js, React.js, and Node.js.
- Showcased skills, accomplishments, and work samples to potential clients or employers in an engaging and visually appealing manner.

**MOBILE APPLICATION FOR FACULTY RESEARCH INFORMATION SYSTEM**

- Designed a system to collect and manage data from faculty members, including personal information, academic and non-academic experiences, workshops, conferences, publications, community outreach, and research outputs.

## STRENGTHS

- Analytical and research capabilities
- Strong attention to detail
- Ability to work independently and in a team
- Eager to learn and adapt to new challenges
- Strong written and verbal communication skills