

# SHASHANK RAJ

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[Github](#) ◇ [Portfolio](#) ◇ [Linkedin](#)

## OBJECTIVE

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Passion for technology is what makes me choose this career path. I would like to make more automation so that humans can think more about creative things. interested in solving more real-life problems on technology.

## EDUCATION

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**Bachelor of Computer Science - 8.1 (CGPA)**, Govt. Engineering college Hassan Expected 2025  
Will graduate with BE, BE Honors in CSE.

**12th Grade-90 percent** , Brilliant PU college 2019 - 2021

**10th Grade -75 percent** , Kendriya Vidyalaya Sangathan (KV) 2009 - 2019

## SKILLS

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**Programming Languages:** java, C, IoT(arduino), Python, SQL, HTML, CSS  
**Technical Skills (hands-on):** web-dev(portfolio), DBMS(SQL,XAMPP,PHP), IoT, Python Programming

## INTERNSHIPS

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**Indian Space Research Organisation(ISRO)-ISTRAC** Nov 2023 - Jan 2024  
Peenya Bangalore, Karnataka *Full Time*

- Achieved good command in Python i.e.learnt to write optimal, future-proof codes
- worked with Cospas-Sarsat (an international org) on Beacon signal communicating with various Satellites(MEOSAR, GEOSAR). Basically useful for search and rescue missions (SAR)

**Govt.Tool Room and Training Center(GTTC)** May 2023 - Jun 2023  
Hassan, Karnataka *Full Time*

- Achieved foundation in IOT, learned to operate with various IoT devices and code in Arduino

**Foundations of Cybersecurity from Google** Online

## PROJECTS

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**Beacon message encoder tool:** Built a tool using Python that can encode the message into a beacon for transmission of distress signals from anywhere on earth to the satellites. in the code, I have done - bit manipulation and hexadecimal conversion to encode and transmit signal.

**Electricity Board Management (DBMS):** Build a project using SQL, HTML, CSS, JS, PHP, XAMPP, a website with a database that can manipulate customers' electricity data for admin login, register new customers, and employee login for managing and maintaining data saved in XAMPP server on the local host.

**Fire Indicator Messenger:** Build a project that can sent user g-mail/messages in case of fire outbreak using IoT .

## EXTRA-CURRICULAR ACTIVITIES

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- First Place in Skit Competition at VTU fest Mysore.
- participated in various hackathons including Siemens (HackforSustainability), debate, and quiz.

## LEADERSHIP

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- Admin/Host for the event- FigmaFeista conducted in college for actively facilitating career boost on the design. We taught to build a webpage design using a tool called Figma, actively managing events under NSS, ISTE clubs