Resume

Aashray Raj Mathur

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Education

School/College	Year	Board	CGPA
Swami Vivekananda Institute of Technology, Secunderabad.	Pursuing 3rd year Expected 2021	B. Tech (CSE)	In progress
Sri Chaitanya Junior College, S.R Nagar.	2017	Board of Intermediate Education	8.5
Bharatiya Vidya Bhavan's Public School, Jubilee hills.	2015	CBSE	7.6

Technical Skills

Internet of Things, Robotics, Application Testing, Android Development.

Database Management- MySQL (Basics)

Areas of Interest- Robotics, Drone Engineering, Medical Device Engineering.

Coursera Certifications

- Building Arduino robots and devices
- Internet History, Technology, and Security

Experience

1) Innovator

Telangana State Council of Science and Technology (May 2020- Aug 2020)

- Project- Design and Development of Covid-19 Diagnostic System

2) Internship

BellNexx Technologies and Solutions (June 2019-Aug 2019)

- Concepts Learned- Android App Development and Software Testing.

Publication

Design and Development of Covid-19 Diagnostic System
- Publication date: Aug 7, 2020
- Publicator: Publication of The Patent Office (Journal 32/2020)
- Publication description: Covid-19 Diagnostic System is a system that can detect likelihood of any known respiratory diseases (if any), measure oxygen saturation and temperature of the patient.

Patent

Design and Development of Covid-19 Diagnostic System
- Application No. 202041030100
- Description: Covid-19 Diagnostic System is a system that can detect likelihood of any known respiratory diseases (if any), measure oxygen saturation and temperature of the patient.

Projects

Project Name	Year	Description	Honour & Award
Automated Home Security Alarm	2014	An Automated Security Alarm which can beep to prevent unauthorized entry.	2nd Prize GLEE'14 at ST. Francis College.

Robolance	**2016**	**A bot that can be used to pick/drop balls. (As per the given task.)**	**2ⁿᵈ Prize Connaissance 2k16 at JNTUH.**
Escalade Prelims	**2017**	**A bot that can pick up/drop blocks and can pass through various obstacles. (As per given task.)**	**1ˢᵗ prize Techniche'17 IIT Guwahati at JNTUH.**
Smoke Detector Drone	**2019**	**A prototype of a drone that can sense smoke and warn through an alarm.**	**1ˢᵗ Prize Tech Blitz 2k19 at SVIT.**
Reusable Launch Rocket	**2019**	**A model of the first stage of a rocket that can be reused multiple times.**	**2ⁿᵈ Prize Aliens Fest 4.0 at Gitam Hyderabad.**
Drone Sanitizer	**2020**	**A model of a drone can spray disinfectant over large facilities.**	**Aspire 2020 at SVIT. (Results yet to announce)**
Covid-19 Diagnostic System	**2020**	**A machine that can detect the likelihood of any known respiratory disease like Covid-19 (i.e. pneumonia).**	**Approved by Telangana State Council of Science and Technology.**

Participation Awards

- Cozmo Clench Technorion (2018) at IIT Bombay.
- Robo-Pirates ELAN & ηvision (2018) at IIT Hyderabad.

Spoken Languages

English, Hindi

Extra Curriculars

Space tech and robotics geek, surfing the internet, handcrafting paper rockets, cleaning and maintain hygiene.