# Ajay Ragh

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## SUMMARY

Graduate in electronics and communication engineering with experience in the fields of data analysis,algorithm simulation and transparent electronics.

- Analyzing,inferring and optimizing governmental models as part of data science project.

- Prototyping,testing and validating of algorithms in swarm robotics.

- Patented applications in transparent electronics.

- Socially committed and an active participant in building a technologically aware and active community of youngsters, thereby empowering them to solve the vital challenges of society through technology and alternative education.

## EDUCATION

- **Government Engineering College** — Barton Hill, Thiruvananthapuram, India
  *Bachelor of Technology in Electronics and Communication; GPA: 7.23* — *July. 2015 – June. 2019*

- **Kerala State open school** — Calicut,India
  *Percentage: 91* — *June. 2013 – May 2015*

## EXPERIENCE

- **FOSSEE-IIT Bombay** — Thiruvanathapuram, India
  *Fellowship* — *March 2019 - July 2019*
  - **RECYCLE**: Statistical analysis of current waste management model in Thiruvananthapuram district of Kerala,India and successful development of an optimized decentralized waste disposal model.
    * Identifying and collection of key data points.
    * Statistical analysis of collected data.
    * Developed mathematical model based on the results inferred from the statistical analysis.

- **Infinity Labs** — Technopark, Thiruvanathapuram, India
  *Internship* — *Sept 2017 - Dec 2017*
  - **Research Intern**: Conduct research and prototype products in the fields of nanomaterials and autonomous vehcles.

- **All India Radio** — Thiruvanathapuram, India
  *In-Plant trainee* — *July 2016*
  - **In-Plant trainee**: 1 week training at the different facilities and studios of AIR Thiruvananthapuram where we were made familiar with the different devices and techniques they used at their facilities.

## VOLUNTEER EXPERIENCE

- **Sahridhaya** — Statue, Thiruvanathapuram, India
  *Developer* — *Dec 2018 - Present*
  - **Sahridhaya**: aims to bring the youth a fresh opportunity to participate in social events and establish the need for social responsibility and social commitment.
  - **Bit Please**: A group of college students initially formed to learn programming and problem solving skills.The latest achievement of our team was working with the district collectors office on optimization problems on waste management model followed in the city.

## PROJECTS

- ○ **Recycle**: Statistical analysis project on waste management model being followed in Thiruvananthapuram,India.
- ○ **Hybrid Swarm Optimization** : Research Projecton creating a hybrid algorithm based on swarm optimization algorithms
- ○ **Free India-file registry system**: OT based file registry system that provides applicants access to the current status of their application filed at government offices.