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## RAVI KIRAN S

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### EMPLOYMENT

**Google Summer of Code** **CERN, Geneva** **April 2018 - August 2018**  
**Student Developer (Remote)**

#### ROOT-TMVA:

- Implementing the deep learning optimization algorithms like SGD, RMSProp, Adam etc for the ROOT-TMVA project.
- Link to Project : <https://summerofcode.withgoogle.com/projects/#5779525665816576>

**Machine Learning Intern** **Kenome Technologies, Bangalore** **May 2018 - June 2018**

#### Entity Tagger:

- Built a deep learning model to perform sequence tagging for colors, materials and patterns in the document.
- Built an efficient method for data-annotation using Trie datastructure.
- Built a dashboard for visualization of the cryptocurrency prediction model using plotly and d3 libraries.

**Software Development** **Amazon, Chennai** **June 2017 - July 2017**

#### Engineer Intern

#### FireTVStick:

- Built a prototype for integrating "Marketing Notifications" in FireTVStick.
- Built a prototype for integrating "Rate Now" feature for Amazon Prime Videos.

### EDUCATION

**Chennai, India** **Anna University - College of Engineering, Guindy** **2015 - 2019 ( Expected )**

- Pursuing B.E in Computer Science and Engineering. CGPA: 9.52/10 ( 6 semesters )

**Chennai, India** **Velammal Matric Higher Secondary School - Surapet** **2013 - 2015**

- Class XII, Tamil Nadu State Board. Score: 1165/1200.
- Class X, Tamil Nadu State Board. Score: 493/500. ( District 3rd )

### PROJECTS:

- Credit Card Fraud Detection (2018)** : Created a model to predict whether a given credit card transaction is fraudulent or not using multivariate gaussian distribution. (PYTHON, TENSOR FLOW)
- Online Assessment System (2017)** : Created an Web App for Online Assessment System for College Students using Flask framework and Bootstrap framework. (PYTHON, HTML, CSS, MYSQL)
- DocDroid (2017)** : Created an Android App named "DocDroid" which helps users in case of emergency situations like accidents, heart attack i.e. it automatically books ambulance, allocates optimal hospital using a machine learning algorithm and sends the live tracking information to patient's emergency contacts. ( JAVA,XML,PYTHON, TENSOR FLOW, FLASK )

### COURSES ACCOMPLISHED:

- Design and Analysis of Algorithms, Programming and Data Structures, Operating Systems, Database Systems.
- Machine Learning, Deep Learning, Big Data Analytics.

### ADDITIONAL EXPERIENCE AND AWARDS:

- CCDSAP Advanced Level Exam Certified**: Secured a score of 1000/1000 in the advanced level exam of Codechef certified data structures and algorithms program.
- Online Certification Courses**: Completed "Machine Learning, Deep Learning Specialization" Courses on Coursera.
- ACM ICPC Regionals 2017**: Secured a rank of 30 out of 140 teams in India at ACM-ICPC Chennai Regionals 2017 and a rank of 35 out of 250 teams in India at ACM-ICPC Amritapuri Regionals 2017.
- Tech Fests**: Winner of several coding competitions in various inter-college tech fests and an active participant in programming contests that happen in Codechef, Codeforces.
- Blogger**: Author of two blogs [www.ravikiran0606pds.blogspot.com](http://www.ravikiran0606pds.blogspot.com) and [www.codingwithalpha.weebly.com](http://www.codingwithalpha.weebly.com) for newbies in Algorithms and Data Structures. ( with around 10,000 page views ).

### LANGUAGES AND TECHNOLOGIES:

- C++, Python, Flask, Bootstrap, HTML(Proficient); C, JAVA, CSS, Javascript, Keras (Intermediate); Tensor Flow(Beginner);
- Android Studio, Eclipse, Code Blocks, VS Code, Jupyter Notebooks, GIT;
- Linux(Proficient); Windows, MacOS(Intermediate);