

Aravindh R

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EDUCATION **Amrita Vishwa Vidyapeetham, Coimbatore** **CGPA: 7.68**
B.Tech, Computer Science June 2019

SKILLS

Experienced in Java 8, SOLID, Maven
Data Structures, Algorithms, DBMS

Familiarity with Java Spring Boot Framework, REST API

EXPERIENCE **Software Engineer** June 2019 - present
Cerner Healthcare Solutions Bangalore

- Development using Java 8, projects involved creating new UI components in RCP application for workflows in device connectivity.
- Refactored RCP applications spanning the entire Careaware organisation, which reduced deployment effort by around 80%.
- Awarded with '**The Cerner Night on the Town**' for going above and beyond.
- Active contributor for various technical sessions conducted within the team.

Software Intern January 2019 - June 2019
Cerner Healthcare Solutions Bangalore

- Development using Core Java and Maven, projects involved enhancing package of RCP Applications. Proof of concept for one of the applications for cloud migration.

PROJECTS **Indoor localisation(Research)**

- Worked under Amrita MultiDimensional Data Analytics Laboratory.
- Worked on developing an accurate indoor localisation system by using dual band properties of WiFi, without using the usual **fingerprinting** way.

Secure Copier(Hackathon)

- Conceptualized and developed working prototype of the Cyber Security proposal, Secure Copier, done for the **Smart India Hackathon 2017 and 2018** under the **Department of Defence Production, Ministry of Defence, India**.
- Learnt Flask, implemented a web UI overnight as a part of on-the-spot requirement.

PUBLICATIONS

- **"A Hybrid Infallible Scheme for Secure Audio Exchange"**, International Journal of Pure and Applied Mathematics, Volume 119, No.12 pp. 13771-13780, 2018.
- **A Dynamic Weighted Trilateration Algorithm for Indoor Localization Using Dual-Band WiFi**, Web and Wireless Geographical Information Systems pp 174-187. DOI

AWARDS **ShipIt VII India - 2020**

- Secured **1st** Runner up in ShipIt VII India 2020, Hackathon conducted by Cerner India Engineering Culture

Smart India Hackathon-2018(First place)

- Secured **1st** place in SIH-2018 under Department of Defence Production, Ministry of Defence, India, for the project titled, **Secure Copier**.

Xiomara CTF - 2018

- Secured **1st** place in Xiomara CTF 2018 Conducted as a part of Anokha, 2018, Tech fest of Amrita School Of Engineering.

EXTRAS **Chess**

- Represented the university chess team in South zone Inter-University Chess Tournament 2018
- Captained the chess team and secured **1st** place in the inter-department chess tournament in the year 2017-18.