



# Surya Rao Karri

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## PROFILE

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To work in an environment which supplements my theoretical background with its practical applications to hone my problem solving skills, and gives me a greater opportunity to learn from this development field.

## EXPERIENCE

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### Asian Institute of Technology

Bangkok, Thailand

*Student Assistantship (Under Dr. Nophea Sasaki)*

February 2019 – Present

- Developing a Web and Android application to fetch user-location and show recommendations (Since the app in the development cycle, more details are not shared here).

Technologies:

.Net Core Web API,  
SQLite,  
Android.

### Baanbanchi Co., Ltd

Bangkok, Thailand

*Software Developer – Intern*

September 2018 – December 2018

- Accounting System for the company **CHAZ INSURANCE BROKERS LTD.** Developing software is a windows application which is used to update the accounting records and to calculate debits and credits for the transactions. Apart from development of the software this project though me the importance of requirements gathering and estimating the timeline for a project before implementation and importance of software documentation.

Technologies:

IDE: Visual Studio 2017,  
Using Windows Forms.  
Programming Language: C# | Database: Oracle.

- Worked as a technician for **Annual Maintenance Contract** for **Indian Embassy**. Role is to check the computers, printers, scanners, network and configuration issues. Contract is to visit embassy twice a week for trouble shoot if any problem occurs in the computer/other devices.  
System OS: Fedora Red hat.
- Developed inventory management system to track the sales and items for the diamond company **Bhagavati Diamonds**.

Technologies:

Front-end: HTML, Bootstrap (Materials design kit and Bootstrap Studio), JavaScript, JQuery, Ajax.

Front-end Framework and Back-end: ASP.net MVC | Database: SQL Server.

- Internship at **Baan Banchi.com Co., Ltd** as software developer. I learn how real world web application, windows application, HR system and fraud detection system are created and maintained. Here my job is to create a Windows and web application for Accounting System and to develop a website for the company.

**Developed website:** <http://baanbanchi.com/>

Technologies:

Front-end: HTML, Bootstrap, JavaScript, JQuery, Ajax and Bootstrap Studio.

Back-end: PHP | Database: MYSQL | Server: A2hosting.

**Life Circle Health Services Pvt Ltd**

Telangana, India

*Full Stack Developer– Intern*

June 2016 –December 2016

- Interned at **Life Circle Health Services Pvt Ltd** as full stack developer to build a complete system (Web Application) for the team. The developed website and mobile application will allow clients(users) to choose the nearest caregiver from their location. Daily attendance will be automatically calculated from the time and location of the caregiver and updated in the log (fetching the caregiver location from the mobile app). This internship gave me the exposure of a real time project. Explained me the definition of team work. Made me understand the demand of flexibility.

**Development website:** <http://www.lifecircle.tech/> (Note: Only company staff can access).

Technologies:

Front-end: HTML, Bootstrap, JavaScript, JQuery, Ajax, Google Maps API.

Back-end: PHP | Database: MySQL.

Server: Amazon Web Services (EC2).

## ACADEMIC PROJECTS

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- Application on finding the nearest medical store in the maps based on the user location.
- Web Application to create custom forms for surveys in which the response stats will be calculate and shown.
- Diet Plan recommendation system to maintain the desire weight by the user (Web App).
- Developed Games: Brick breaker, Number Guessing game using unity 3d engine.
- Maze Game developed using OpenGL environment.
- Dog breed classification from the images using various machine learning algorithms (i.e, CNN and pre-trained models): Where 14 types of classes of different breeds data is trained to build the model.
- Developed API (technology: ASP.net Web API) for bank transactions (methods: balance, deposit and withdraw).

## EDUCATION

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### **Asian Institute of Technology, Thailand**

Pathum Thani, Thailand

*Masters in Computer Science*

January 2017 – December 2018

Research on computer security to avoid cheating and leakage of question paper data for an examination. This is implemented using real world rules for an examination with “Logic Programming”.

CGPA: 3.11/4 (Percentage 71-75%).

### **Jawaharlal Nehru Technological University**

Hyderabad, Telangana, India

*Bachelors in Computer Science*

2013 - 2017

Developed a Chat Bot to set reminder and to send the text at given time by the user.

Percentage: 64.7%

### **Sri Chaitanya Junior College**

Hyderabad, Telangana, India

*Intermediate/12<sup>th</sup> Standard in MPC (Mathematics, Physics and Chemistry)*

2011 - 2013

Percentage: 79.3%

### **St Mary's High School**

Hyderabad, Telangana, India

*High School (Mathematics, Physics and Chemistry)*

2011

Percentage: 55%

## SKILLS

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### Technical Skills:

- Programming Languages: C, C++, C#, Java, PHP, JS (Node, Angular, JQuery, and AJAX), Ruby on Rails, Python.
- Designing: Webpages (HTML, CSS, Bootstrap), Graphics & Animations (Using Opengl and Maya).
- Database Language: SQL (SQL Server, MYSQL, Oracle) and LINQ.
- Technologies: Android, Web(ASP.net MVC 5), Web API, Windows Application (Win forms).

Decent knowledge on UNITY 3D Engine, VBScript, NoSQL, Machine Learning, Tensor flow.

### Soft Skills:

- Can speak English, Hindi, Telugu.
- Little fluent in Thai language.
- Enthusiast to learn from faults and mistakes.

## **PERSONAL STRENGTH**

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- Ability to work well as individual and within group.
- Ability to prioritize in a fast moving environment.
- Willing to try new ideas and expand current experience and knowledge.
- Ability to work independently with minimum or no supervision.

### **Declaration:**

I hereby declare that the above information provided is true and correct to the best of my knowledge and belief.

Surya Rao Karri