

# ANANTH RANGARAJAN

#437/A , 4th Main bsk 1st Stage Srinagar Bangalore-50 , Karnataka , India

## CONTACT DETAILS

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## PROFILE & CARRIER OBJECTIVE

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Technologically savvy and goal oriented Computer Science undergrad currently in B.Tech - 3rd Year.  
Interested in Data Science , Data Analytics and Machine Learning field  
To work for an organization which provides me the opportunity to improve my skills and knowledge to grow along with the organization objective.

## PERSONAL TRAITS

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Ability to Communicate (Read/Write/Speak) in English , Hindi , Kannada Languages  
Highly motivated and eager to learn new things.  
Ability to work as an individual as well as in group.

## EDUCATION

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<b>PES UNIVERSITY , Bangalore</b> Bachelor of Technology Department of Computer Science Engineering	<i>August 2017 - Present</i> CGPA : 8.51
<b>SRI BHAGAWAN MAHAVEER JAIN COLLEGE , Bangalore</b> Pre-University Degree Department of PCMCs	<i>May 2015 - April 2017</i> Overall Percentage: 94.17%
<b>SRI KUMARAN CHILDRENS HOME-(CBSE) , Bangalore</b> High School (Matriculation)	<i>June 2005 - March 2015</i> CGPA : 9.2

## WORK EXPERIENCE

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**INVENDIS TECHNOLOGIES (INDIA) Pvt.Ltd , Bangalore**  
*June 2020 - July 2020*

Worked as an Intern on Development and Validation in Data Science using Python and Tableau.  
Filtered the large data into smaller chunks of tabular data based on various parameters using Python and MySQL database.  
Created new database tables based on mathematical calculation performed on the smaller chunks of data.  
Created visualization charts using Tableau to bring out the insights and present it as a dashboard.

Tools used : Python , Tableau , MySQL Workbench , Pandas , Numpy , MySQL libraries

## TECHNICAL STRENGTHS

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<b>Programming</b>	Python , C , Javascript , R-Basics
<b>Data Science and Machine Learning</b>	Tensorflow , Keras , Sci-kit Learn , Pandas , Numpy
<b>Analytics</b>	Tableau , Power BI , Seaborn , Matplotlib
<b>Web Development</b>	HTML , CSS , Javascript , PHP , Apache , Bootstrap AJAX , React , Flask, Selenium Testing
<b>Database Management</b>	MySQL , SQLite
<b>Cloud Computing</b>	AWS , Zookeeper , Docker , RabbitMQ
<b>Software Tools</b>	MS Office , Latex , Anaconda , AWS , Postman , MySQL Workbench

## PROJECTS

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### TEXT TO SPEECH FOR KANNADA

*June 2019 - Jan 2020*

Worked on a Text-to-Speech tool for conversion of Kannada(Indian Language) text to corresponding audio format . Went ahead with using Python programming language and Machine Learning approach such as Recurrent Neural Network (RNN) or Hidden Markov Model(HMM).

### AUTOMATIC ANSWER EVALUATION WEBSITE

*February 2020 - May 2020*

Built a completely working website for Automatic Evaluation of Subjective type Answers as a project. This website helps teachers to evaluate student answers against the model answer. Made use of NLP techniques to match the student answer and model answer. Implemented it using HTML , CSS , Bootstrap , React for the User Interface and MySQL, Flask, AJAX for backend.

### RIDESHARE APPLICATION

*February 2020 - May 2020*

Built the backend functionalities for a ride-share application that can be used to pool rides. Basically built the Client and Server functionalities such as creating, joining, deleting rides etc. Implemented it using Python, Flask, MySQL, Docker, Zookeeper, RabbitMQ, in order to completely build the backend. The entire project was deployed using AWS.

### CLASSIFYING STARS AND QUASARS USING SVM

*September 2019 - November 2019*

Implemented Support Vector Machine using Python from scratch to classify Stars and Quasars seen from both Equatorial Region and North-Galactic Region. Implemented Linear, Gaussian, Laplace-RBF Kernels and SVM + ADABOOST to achieve higher accuracy. Made use of SKLearn, Numpy, Pandas, cvxopt Libraries in order to achieve accurate results.

### PESU PHARMA

*February 2019 - April 2019*

Built a completely working website for a pharmaceutical company as a project. This website helps the pharmaceutical company to manage its customers, stocks, bills, managers, workers etc. Website was implemented using HTML, CSS, Javascript for the User Interface and MySQL Database, PHP, Apache for backend functionalities.

### SHOWFLIX

*September 2018 - November 2018*

Built a simple website for avid TV show or Movie viewers which keeps them updated on the Movies/Series about to release as well as older Movies/Series. It gives them a glimpse of the movie/serial along with IMDb ranking.

Implemented using HTML, CSS, Javascript, Bootstrap for the User Interface and MySQL Database, PHP, Apache for building the backend of the website.

## PROJECTS

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### MINI C COMPILER

*February 2020 - May 2020*

Implementing a small scale C compiler which mimics the work of existing C compiler using Lex and Yacc tools. Compiler was built taking into considerations the constructs : FOR, WHILE, SWITCH, IF-ELSE. Compiler was built in 5 phases: Semantic, Abstract Syntax Tree, Intermediate Code Generation, Code Optimization, Assembly Code Generation Phases. Compiler was built with error handling techniques.

## CERTIFICATES

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1)AI For Everyone	coursera
2)Certificate of Internship(Ayotta)	For working with Professor on Text-to-Speech Project for Kannada language
3)NLP in Python	Udemy
4)Python for Data Sciecne	Udemy
5)PESU I/O	Blockchain Technology
6)PESU I/O	Android App Development

## ACHIEVEMENTS

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Distinction Awardee for 6 Semesters in Engineering

Distinction Awardee for securing 94% in Pre-University Exam

IAYP - Bronze level Awardee

## EXTRA-CURRICULAR

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Basketball , Cricket , TableTennis

Chess , Sudoku

Listening to Music , Reading Books

Watching Movies and TV Shows