





ROHITH S P

Software Developer

Engineering aspirant interested in the field of Software and Automation and highly passionate about Maths, Robotics, Analytics and Management. I am currently working as an Analyst Programmer at Ramco Systems.

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EDUCATION

Course	Institution	Board/ University	Year of completion	Marks (% or CGPA)
X	Campion Anglo Indian Higher Secondary School, Trichy	State board	2014	97.80
XII	Campion Anglo Indian Higher Secondary School, Trichy	State board	2016	95.25
B.E. (Robotics & Automation)	PSG College of Technology, Coimbatore	Anna University	2020	9.91

SKILL SET

Programming Languages:	Python, Java, SQL and JavaScript
Platforms:	Windows, Ubuntu
Frameworks:	React
Analytical Tools:	Tableau, DB Browser for SQLite, Microsoft Office
Machine Learning:	Supervised (Regression & Classification), Unsupervised (Clustering) and Recommendation System
Other Software:	MATLAB, Minitab, SolidWorks, Siemens TIA V14, FluidSIM

PROJECTS

- **Pathfinding and Maze Generation Algorithms Visualizer**
Web Page built using React Framework to visualize Pathfinding Algorithms such as Dijkstra's, A*, Breadth First Search, etc., and Maze Generation Algorithms such as Recursive Division, Vertical Division, etc.
- **Extraction and visualization of India covid-19 Data**
Extract and model the covid-19 data of India from online API to view the required information using Python and create a visualization using Tableau.
- **Sorting Algorithms Visualizer**
Graphical user interface to visualize various sorting algorithms such as Bubble Sort, Tim Sort, Heap Sort, Radix Sort, etc., using python. The GUI was built using Pygame.
- **Recommendation System**
A simplified recommendation system built using Java to recommend movies based on the user ratings.
- **Sudoku Solver**
Graphical User Interface built using Pygame that automatically generates a Sudoku Game which can be solved manually by the user or automatically using backtracking.
- **Python Software – Text Editor**
Simple text editor using Python and tkinter with modules such as Menu Bar, Scroll Bar, etc. built in a way to easily add additional features.

- **Human Robot Interactive System**
Development of various strategies required for the development of a Human-Robot Interactive system.
- **Agricultural Automation**
An intelligent multi-drive gantry system used for precise and fast cultivation of crops with minimal human interference using robot kinematics and vision system.

CERTIFICATION AND BADGES

- **Python** Specialization by University of Michigan on Coursera
Accessing Web Data and Using Databases with Python.
- **Java** Programming and Software Engineering Fundamentals Specialization by Duke University on Coursera – Foundations with JavaScript, HTML, CSS and Software Design Principles.
- **IBM Data Science** Professional Certificate
Python, Databases and SQL for Data Science, Data Analysis, Data Visualization and Machine Learning.
- **Tableau** Software
Tableau Desktop Advanced Certification, Tableau Author and **Analyst** Badges.
- **Discrete Mathematics** for Computer Science Specialization by UCSD and HSE on Coursera.

ACADEMIC ACHIEVEMENTS

- Received the **Best Outgoing Student Award** among the students of B.E. Robotics and Automation Engineering of the 2016-2020 batch.
- Participated in the Advanced Robotics Challenge category, National Championship of **World Robot Olympiad** India 2017 held at Genesis Global School.
- Attended and selected in the **THINK o FEST – Hackathon** (Title: Automation in Fuel Loading) event conducted by Dover India Innovation Centre in association with EPICS India Consortium.
- Awarded “**Ramanujan Award**” for having stood first among all B.E./B.Tech. first year students in the mathematical ability test conducted by the department of mathematics.
- Award for proficiency in academics (First in 1st, 3rd, 4th, 5th and 7th semesters; Second in 2nd semester).

IN-PLANT AND INTERNSHIP TRAINING ATTENDED

Delphi – TVS Technologies	Summer 2019
Automation involved in manufacturing of Diesel Engine Parts such as pump, rail, nozzle and filter.	
TVS – Sundaram Auto Components Ltd.	Summer 2018
Robots used in manufacturing of seats for various vehicles.	

CO-CURRICULAR ACTIVITIES

- Served as the **Joint Secretary** of Robotics and Automation Engineering Association for the academic year 2017-2018 and as the Executive Member for the academic year 2018-2019.
- Served as the Secondary **student coordinator** to publicise various e-Yantra activities in the college for the academic year 2017-2018.
- Served as the Executive Member of IE, Students Chapter for the academic year 2017-2018.
- **Convenor** for the event MEMOBOT, Volunteer for the events Paper Presentation in Kriya 2K18 and Robo-Viz in Kriya 2K19 conducted by the Students Union, PSG College of Technology.

DECLARATION

I, Rohith S P, do hereby confirm that the information provided above is true to the best of my knowledge and belief.