

SHRIDHAR HEGDE

Bangalore, India | (+91) 789 261 0845 | shridharkumta@gmail.com | [GitHub : ishridharhegde](#) | [LinkedIn : ishridharhegde](#)

EDUCATION

Bachelor of Technology in Computer Science Engineering Ramaiah University of Applied Sciences (RUAS), Bangalore, India	July 2016 - Aug 2020 CGPA: 8.44/10.00
12th Grade (High School) Saraswathi Pre-University College, Kumta, India	June 2016 95.00% (Marks: 570/600)

TECHNICAL SKILLS

Programming/Scripting Languages	Java, Python, C, C++, PHP, JavaScript, Dart, HTML, CSS, Bash
Frameworks	Spring, Django, Flask, Node.js, Flutter, TensorFlow, Scikit-Learn
Databases	MySQL/SQL Server, PostgreSQL, MongoDB and Google BigQuery
Developer Tools	Git, VS Code, IntelliJ, Eclipse, Netbeans, PyCharm, Android Studio

WORK EXPERIENCE

Software Engineer 1 April 2021 - Present
Checkpoint Systems Bangalore, India

- Working on the product engineering team building RESTful APIs to provide better inventory tracking and merchandise visibility for retail customers
- Responsible for automation of ORT(Operational Readiness Testing) which reduced 800 hours of human effort per year using Selenium and TestNG
- Worked on setting up SmartSuite RFID Solutions including EAS Servers, POE Pedestals and MPOS Devices for theft prevention and better tracking of Inventory for retail customers
- I also maintain the code base of the in-house KPI Reporting tool using Java, Google Cloud Library and automation scripts

Software Engineer - Intern Sep 2020 - March 2021
Checkpoint Systems Bangalore, India

- I was involved in the design and development of an in-house KPI Reporting tool which reduced the cost of KPI Analysis by external vendors up to 80%
- I also successfully migrated customer data from traditional MySQL to cloud-based Big Data service which increased data loading performance by 8x

Technical Instructor June 2018 - Present
Multiple organizations:*Lakshya Academy, OnlineStudy4u* Freelance—Remote

- Worked as a Technical Instructor for Lakshya Academy teaching senior high-school students Introduction to Programming
- Designed, developed and taught programming courses on Competitive Programming(C, C++, Java and Python), Data Structures and Algorithms, Database Concepts, Operating Systems for OnlineStudy4u which have garnered over 2M+ views

PUBLICATIONS

User Interest Prediction based on Social Network Profile with Machine Learning May - 2021
International Conference for Convergence in Technology (I2CT) DOI: 10.1109/I2CT51068.2021.9418126

- This paper analyzed social media data from multiple platforms using varied data forms(textual and images) to derive useful insights about user interests
- The processes, models and techniques introduced in this paper can be used as a foundations block for further research on social media user behavior

Estimation of object Dimensions using Image Processing

Aug - 2020

International Journal of Computer Science Engineering (IJCSE) DOI: 10.21817/ijcsenet/2020/v9i4/200904024

- Mechanical Engineers are constantly required to build models and ascertain their dimensions. When done physically, this is an extremely cumbersome and error prone process.
- This paper designs and implements a software program using novel and existing algorithms to calculate the object dimensions using image processing with an accuracy up to 96%.

Remote Bio-metrics Verification as a remedy to child abuse in Cyberspace using IOT Onion Routing

Jun - 2019

International Journal of Intelligent Computing and Technology (IJICT)

Article ID: V3I1P02

- Mechanical Engineers are constantly required to build models and ascertain their dimensions. When done physically, this is an extremely cumbersome and error prone process.
- This paper designs and implements a software program using novel and existing algorithms to calculate the object dimensions using image processing with an accuracy up to 96%.

PROJECTS

SoNA - Social Network Analyzer

Jan - Aug 2021

Python(Machine Learning), PHP, JavaScript, MySQL, Git

- Scraped and built data-set for social network analysis
- Used various ML models to identify users interest using social media data
- Developed a web application using with PHP and CanvasJS library for visualization

Fix It Bengaluru

April - 2020

Java, Git, Android SDK, Firebase, Deeplink UPI payments integration

- Developed an android application at a Hackathon to solve infrastructure problems of Bengaluru city (Bangalore)
- The app enabled users to create issues in there area by location and images, raise money and get them fixed
- Development of the app included implementation of Firebase storage & authentication, Maps API, Deeplink payments API

EXTRACURRICULAR

Ground Reality - Business Plan competition

Jan - 2020

Hosted by BITS Pilani, Hyderabad

- Secured 1st Prize in the National level Business Plan competition conducted by BITS Pilani, Hyderabad campus
- Presented a HR-Tech solution that uses NLP in easing the hiring process for companies in front of well known VCs and Angel Investors of India

Hack-it-On - Technical Hackathon

Aug - 2020

Hosted by CMRIT, Bangalore

- Secured 1st prize in the 24-hour Hackathon conducted by CMRIT for developing an app that helps the tourism industry by providing seamless hotel and flights bookings along with providing vital information about various tourist spots.

The DebClub

Jun 2019 - May 2020

Official Debate Club of RUAS

- As part of the core-committee member of the Debate Club of RUAS, I participated in and also organised various events like Open Mics, British Parliamentary Debates and Moot Court Sessions.