

# SHAHU SHRIKANT RONGHE

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## EDUCATION

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### The State University of New York at Binghamton, New York, USA

Expected Dec 2022

Master of Science, Computer Science

GPA: 3.65/4.00

Courses: Data Structures, Algorithms, Operating Systems, Programming Languages, Design Patterns, Data Mining

### Centre For Development of Advanced Computing (CDAC), Bengaluru, IN

Aug 2017 - Feb 2018

Post Graduate Diploma, System Software Development

Grade: A

Courses: Linux System Programming and Driver Development, Windows System Programming, Advanced C/C++ Programming

### Savitribai Phule Pune University, Pune, IN

Aug 2012 - May 2017

Bachelor of Engineering, Computer Science

GPA: 3.00/4.00

Courses: Data Structures and Problem Solving, Internet of Things, Distributed Systems, Networks, Computer Architecture and Organization, Database Mgmt Systems, Computer Networks, Cloud Computing

## TECHNICAL SKILLS

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**Programming Languages:** C, C++, Java 8, Python, JavaScript, Kotlin, Perl, Shell, VTL

**Technologies:** Android, Plugin Development, REST API, Spring Boot, Firebase, SSH, JSON, Maven, Junit, Mockito

**Databases:** MySQL, NoSQL, MongoDB, SQLite, RoomDatabase, PostgreSQL

**Development Tools:** Git, JIRA, Eclipse, Bash, IntelliJ, PyCharm, Android Studio, Mobaxterm, Polarion, SVN, Vim, Postman

## PROFESSIONAL EXPERIENCE

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### Executive Software Engineer, Elektrobit India Pvt. Ltd., Bengaluru, India

Feb 2018 - July 2021

**Polarion** - (Velocity Template Language | Java, Java Plugin Development | Python Scripting | HTML/CSS | JavaScript)

Responsible for the end-to-end development of functional or non-functional statistics depending upon the requirement of project stakeholders. Developed Java plugins, Python WebServices, High-charts, Wiki pages, Live widgets, and Web development. Responsible for the administration and maintenance of Polarion, Creating and maintaining documentation (System architecture, coding guidelines)

**Audi SCON** - (Java | RxJava | Android framework | JSON)

Designed and implemented UI, Content Provider wrapper, in-memory SQLite database, and integration of ViWi. Increased performance and efficiency by 30% by implementing ViWi protocol over ASI/DSI legacy protocol.

**General Motors VAC** - (Java | RxJava | Android framework | JSON)

Implemented Maluuba, a third-party library provided by Microsoft which is used to process the text (converted by Android's Speech-to-Text) and perform NLP on it, and provide intent-based results.

## ACADEMIC/PERSONAL PROJECTS

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**Kinship Recognition using CNN** - POC at Elektrobit (Python | CNN, ML | Android | RestAPI | Python Flask)

- Attempted and solved Kaggle challenge for the similarity between two faces of different people and identifies if they have a blood relation. The accuracy of the model was 87%. Completed the challenge by implementing a model, conversion of the python model to TensorFlow Lite model, and building the Android app using the .flite model and RestAPI using Python Flask.

**Criminal Identification using Clustering** - (Java | Spring boot | PostgreSQL)

- An undergraduate project with a group of 4 people. Handled the backend mechanism and database operations to achieve an accuracy of 72% by implementing the backend server using Java Spring boot and PostgreSQL.

**Pizza Delivery System** - (Python Flask | AJAX | JavaScript | Android | Kotlin | RestAPI) <http://bit.ly/gptolepizza>

- Developed a Native Android Application, Python Flask PostgreSQL-based back-end server, and HTML-AJAX-PHP-based admin panel to implement an end-to-end food delivery system that can handle 50 requests at an instance.

**COVID-19 India Tracker** - (Android | Kotlin | API) <http://bit.ly/gitcovid>

- This android application helps to track the count of coronavirus infections in India. The data is represented according to states and their districts using open API provided by <https://api.covid19india.org/>

**Weatherly – A Weather App** - (Android | Java | API) <http://bit.ly/gpweatherly>

- Designed and implemented a lightweight weather android application that tracks the current and forecasted weather for any number of cities using open API provided by <https://openweathermap.org/api>