

Kiran Bolaj

Arlington, TX | +1 (928) 265-0023 | kxb0889@mavs.uta.edu | <https://www.linkedin.com/in/kiran-bolaj/> | <https://github.com/bolajkiran>

EDUCATION

The University of Texas at Arlington	Arlington, TX, USA
Master of Science in Computer Science , GPA: 3.7	May 2023
Relevant coursework: Design & Analysis of Algorithms, Distributed Systems, Parallel Processing, Adv. Topics in Databases	
CodePath (Certificate in Advanced Software Engineering – Summer 2022)	
Visvesvaraya Technological University	Belagavi, KA, India
Bachelor of Engineering in Computer Science & Engineering	Jul 2016

TECHNICAL SKILLS

Programming Languages	Java 8 (proficient), Python 3.7, C++ (prior experience), SQL, Unix Shell Scripting, Golang
Web technologies	REST API, HTML5, CSS3, SQLAlchemy, JSON, XML, XSD, PHP, Bootstrap
Databases	PostgreSQL, MySQL, MongoDB, SQLite
Frameworks	Apache Hadoop, Spring, Flask, Mockito, JUnit, NATS streaming, Dockers

EXPERIENCE

The University of Texas at Arlington – Graduate Teaching Assistant Arlington, TX, USA	Sep 2022 – Present
<ul style="list-style-type: none">DASC 5300: Foundation of Computing - Mentoring 40+ students in a class of 80. Responsible for grading their projects, assignments, and tests.	
Nutanix (via ACL Digital) – Senior Software Engineer Bangalore, KA, India	Feb 2021 – Jul 2021
<ul style="list-style-type: none">Built a <i>Message Bus</i> for different platform services of <i>PRISM 6.0</i> using NATS streaming, Dockers, Python & Golang.Built a <i>Category Management System</i> to group VMs and clusters using Java, Spring Boot, MongoDB, Shell Scripting.	
VMware (via ACL Digital) – Senior Software Engineer Bangalore, KA, India	Jul 2019 – Jan 2021
<ul style="list-style-type: none">Built state machines to deploy, configure, patch & upgrade a <i>vRealize Suite</i> using Java, REST API, Spring, PostgreSQL.Automated patch creation to improve release process for <i>vRealize Suite</i> using Flask, SQLAlchemy, PostgreSQL.Optimized Gerrit Preflight builds by 83% to make Developer's life easy to test the code commits using Maven Tools.Improved the code coverage of product's source code from 15% to 57% singlehandedly using JUnit, Mockito.	
Ericsson (via GlobalLogic) – Senior Software Engineer Chennai, TN, India	April 2018 – Jul 2019
<ul style="list-style-type: none">Designed and developed a monitoring tool for Operation, Authorization & Management of <i>Charging data & Reporting System (CRS)</i> using Java, Shell Scripting.Led as a <i>Scrum Master</i> for ensuring the inception of Agile methodology in the project.	
Ericsson (via GlobalLogic) – Software Engineer Chennai, TN, India	Jul 2016 – April 2018
<ul style="list-style-type: none">Designed & implemented automation regression frameworks for testing newly added features of <i>Charging data & Reporting System (CRS)</i> there by reducing manual efforts using Java, Apache Hadoop, SQL, Shell Scripting, XML, XSD.Optimized Jenkins nightly regression builds by 90.62% for Continuous Integration testing using Maven Tools.	

PROJECTS

Distributed Systems: RPC & 2PC Protocols

- Designed & implemented *synchronous*, *asynchronous*, and *deferred synchronous Remote Procedure Call (RPC)* protocol without using inbuilt APIs and *Two-Phase Commit (2PC)* protocol using Java, Shell scripting.

Undergrad Thesis: Text Categorization System for English Text Documents using Naïve Bayes Algorithm, *International Journal of Computer Applications (IJCA)* 177(48):7-10, March 2020

- Designed and developed a web application to categorize the text documents into different categories as Sports, Politics, Technology etc. using *Naïve Bayes Algorithm* in PHP, Bootstrap, MySQL.

LEADERSHIP & AWARDS

- Awarded with *Grace Hopper Celebration (GHC) 2022* Scholarship.
- Recognized as *Head of Communications* at **Society of Women Engineers (SWE)** at UTA from October'21 to March'22.
- Awarded with *Engineering Silver Star Scholarship* for Fall 2021, in light of my undergraduate academic successes.
- Awarded with *GlobalLogic Engineering Excellence Award* in April'18 for demonstrating high level technical expertise.