

# Bhavana Kukkapalli

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## SUMMARY

Passionate full-stack developer owning 2+ years of experience spearheading expertise in problem-solving, collaborating with cross-functional teams, project leadership, and delivering high-quality software solutions on time in a dynamic team environment.

## EDUCATION

<b>Master of Science - Information Technology</b>	<b>May 2023</b>
Arizona State University - Arizona, USA	GPA: 4/4
<b>Bachelor of Technology - Computer Science and Engineering</b>	<b>May 2020</b>
Amrita School of Engineering - Coimbatore, India	GPA: 7.18/10

## RELEVANT COURSES

Object Oriented Programming/Analysis and Design, Data Structure, Algorithms, Big Data, Mobile Computing, Data Science, Cloud Computing, Data Visualization, Data Mining, Relational/Advanced Database Management Systems, Unix System Administration.

## TECHNICAL SKILLS

**Languages:** C, C++, Java, Python, Ruby, JavaScript, SQL, PL/SQL, SOQL, Go, Swift, MATLAB, Simulink  
**Databases and OS:** MySQL, Postgres SQL, Oracle, Hive, Hadoop, DynamoDB, MongoDB, Windows, Linux  
**Framework:** Spring Boot, Ruby on Rails, Bootstrap, Ember.js, AngularJS, Node.js, React, HTML, CSS, Selenium, Swagger  
**Cloud and Server:** Amazon Web Services, Adobe, Firebase, Cloudingo, JSP, XML, JSON, Apache Tomcat, Kafka, TCP/IP  
**Software Development:** Agile, Scrum, JIRA, Kanban, CI/CD, TDD, GIT Version Control, RESTful  
**Tools:** Salesforce, Tableau, Postman, Jenkins, Esri - ArcGIS, Confluence, JWT, Microsoft Office

## PROFESSIONAL EXPERIENCE

<b>Developer/Analyst – Arizona State University</b>	<b>March 2022 - Present</b>
<ul style="list-style-type: none"><li>Designing and implemented data pipeline to Extract Transfer and Load (ETL) for a large-scale data warehousing project using Apache Spark, Python, and AWS S3, curtailing data processing time by 40% and amplifying data accuracy by 25%.</li><li>Envisioning development of data infrastructure for ML models, resulting in successful deployment of 5+ production-grade models and enabling organization to generate 10% multiply in revenue from data-driven insights.</li></ul>	
<b>Software Engineer - Freshworks</b>	<b>October 2020 - August 2021</b>
<ul style="list-style-type: none"><li>Spearheaded development of Collaborative Email Service, highly scalable micro-service utilizing Kafka &amp; Java, eliminating turn-taking &amp; diminished time constraint achieving 80% raised efficiency with a saving of \$10,000 per quarter.</li><li>Enhanced a constraint-based Ruby code to activate email services of suspended accounts, once an account is active, product began to impact inflow of customer tickets by 68% and improved customer satisfaction over offered service by 72%.</li><li>Led a team of 5 members to provide comprehensive training for employees and interns on Ruby on Rails, Kafka, Ember.js, MySQL, and Freshworks products. Resulted in a 40% reduction in onboarding time and a 15% growth in productivity.</li></ul>	
<b>Software Engineer Intern - Freshworks</b>	<b>January 2020 - September 2020</b>
<ul style="list-style-type: none"><li>Built an automatic skill-based round-robin method to dole out tickets originating in Freshdesk (product), minimizing user's workload by 85% and decreased time consumption by 87%, resulting in a revenue savings of \$30,000 per year.</li><li>Mentored in prioritizing defects found in code during full stack development employing Ruby and Ember.js, worked on bug fixing, amplified efficiency of application by 80%, and capitalized boosting storage capacity of information by 15%.</li><li>Tailored CI/CD pipelines with GitHub, Jenkins, and Python, lowering overall deployment time by 30% and increasing efficacy by 50%, maintained documentation standards to ensure 100% compliance with company &amp; industry standards.</li></ul>	

## ACADEMIC PROJECTS

<b>Placements at Your Fingertips</b>   <i>Android Studio, Java, Visualization API, Firebase, MySQL, GIT</i>
<ul style="list-style-type: none"><li>Created Android app, centralized source for 500+ recruiting companies' info, boosting student engagement by 30% and saving 70% time, introduced admin-uploaded 1000+ questions and stats of 10K+ hired students, 45% higher success.</li></ul>
<b>Data Visualization of US Accidents</b>   <i>Python – Pandas, NumPy, Bokeh, Matplotlib; Jupyter Notebooks, Tableau, MySQL</i>
<ul style="list-style-type: none"><li>Formulated project vision for US accidents (real-time) dashboard executing data visualization to increase public safety awareness by 40% and reduce road accidents by 72%; processed metrics with SQL to prevent 80-90% driving mistakes.</li></ul>
<b>Secure Hospital Management System</b>   <i>Java, Python, Spring Boot, Angular, Node.js, MySQL, Hyperledger</i>
<ul style="list-style-type: none"><li>Achieved significant performance improvements by implementing REST API calls, reducing retrieval time by 78% and improving RPM by 34%, deploying Java web services &amp; HTTP protocol, &amp; testing with POSTMAN for structured JSON.</li></ul>

## CERTIFICATIONS

- Earned a certificate of completion for Amazon Web Services (AWS) Developer - Associate [\[Link\]](#).
- Accomplished in Agile Virtual Experience Program provided by J.P. Morgan Chase & Co via Forage platform [\[Link\]](#).
- Excelled Goldman Sachs Software Engineering Virtual Experience Program on Forage platform [\[Link\]](#).
- Mastered Jira Software through LinkedIn Learning certification program [\[Link\]](#).

## HONORS & ACTIVITIES

- Awarded merit scholarship and 50% tuition fee waiver for academic excellence during 2016 - 2020.
- Engaged in discussions and an active member of **Grace Hopper Celebration 2022** (GHC22).
- Chaired eye donation in organizing 15+ social events, encouraging social willingness to donate Eyes for "Light up Life".