

# SRI RAGHAV BOBBURI

Tempe,AZ · raghavbobburi@gmail.com · 6028493304 ·  
<https://www.linkedin.com/in/raghav-bobburi-398309a4/>

## SUMMARY

Software engineering professional with a passion for solving complex business problems using technology. Received recognition for my work on projects and have been proficient in various technology stacks. Actively pursuing a Master's in Computer Science to elevate expertise and proficiency. Eager to leverage my analytical and technical skills to solve challenges in the software domain.

## SKILLS

Programming Languages: Java, Python, C++, SQL, JavaScript, HTML, CSS, ReactJS  
Framework and tools: SpringBoot, ServiceNow, Splunk, Postman, AWS, Angular, Git, JIRA, Flask

## EXPERIENCE

**ServiceNow** Hyderabad, India  
*Software Development Engineer* July 2019 - July 2022

- Instance Backup Size Estimation project: Developed a data-driven non-linear model, XGBoost, to estimate backup size, resulting in reduced retries and more optimized estimations. This optimization process reduced the consumption of backup servers by 15-20%.
- Developed Persona Access Granting Automation (PAGA) application to enable application owners to manage access/security of their applications more efficiently and flexibly. Helped reduce the manual DevOps activities by 30%.
- Implemented a project to automate updating ServiceNow CMDB data after spinning up Amazon EC2 instance in AWS Cloud.
- Integrated ServiceNow with Splunk for automated incident generation and developed a DevOps dashboard to centralize data from diverse services, enhancing threat identification and risk mitigation.

**Cognizant** Chennai, India  
*Associate (Full Stack Developer)* Aug 2018 - June 2019

- Developed an Impact Portal for Lincoln Financial Group which provided deployment logs from 50-60 projects involved in GitLab (Enterprise) and XLDeploy.
- Generated YAML files for applications and pushed them to project branches in GitLab. Created user management screens and display login metrics widgets.
- Built a Deployment Window time feature with an API call to check the time of application deployment.
- Received positive appraisal from client upon successful deployment.

## PROJECTS

**Retinal (Human Eye) detachment detection** using Image Thresholding MATLAB, Python, OpenCV, NumPy, and Matplotlib libraries Link: <https://ieeexplore.ieee.org/abstract/document/8474245>  
Developed a new automated detection method for retinal detachment from ocular ultrasound images using digital image processing techniques and a machine learning model. Built a graphical user interface (GUI) to reduce noise and misinterpretation during an eye examination. Presented the solution at the ICCNT '18; the review committee applauded its efficacy and cost-effective approach.

**Process Trending Dashboard** using Flask, Python, PostgreSQL, Docker  
Link: <https://github.com/raghavbobburi15/FlaskProject>

Developed a Flask web-based dashboard to visualize data from a Postgres database with four series (Temperature, pH, Distilled Oxygen, and Pressure) over time, allowing users to select a time window and download data as a CSV file. Used Docker to configure the project and Postgres database.

**Classroom Reservation System** using Express JS, React JS, MongoDB

Created Use Case, Activity and Class diagrams (UML). Developed the web application using ReactJS for front-end, NodeJS for back-end with asynchronous APIs, and MongoDB as a database.

## EDUCATION

**Arizona State University** Tempe, AZ, USA  
Master's in Computer Science GPA: 3.53/4 Aug 2022 - May 2024

**National Institute of Technology, Allahabad** Allahabad, India  
B.Tech in Electronics and Communication Engineering GPA: 7.81/10 July 2014 - May 2018