

Kartik Suhas Marathe

623-286-9752 • kartiksm007@gmail.com | [LinkedIn](#) | +91 8088165214 | [GitHub](#) | [Portfolio](#)

SUMMARY

A Computer Science graduate with over 2 years of experience in full-stack development, object-oriented programming, and machine learning, seeking a Summer 2025 internship.

EDUCATION

M.S. Computer Science May 2026
Arizona State University, Tempe, AZ TBD GPA

B.E in Electronics and Communication, July 2022
R.V College of Engineering, Bengaluru, India 3.47 GPA

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, Bash, TypeScript, JavaScript

Front-End: HTML, CSS, ReactJS, Bootstrap, Angular Materials

Tools, Databases, and OS: Gitlab Pipelines, Android Studio, Spring Boot, Angular, MySQL, Git, GitHub, Windows, macOS, Linux/Unix

PROFESSIONAL EXPERIENCE

Boeing, Bengaluru, India: Programmer Analyst 8/2022-7/2024

Worked as a full stack developer on technologies such as Spring boot, Angular, and Azure cloud, deploying the project and automating the deployment process using Continuous Integration and Continuous Deployment (CI/CD).

- Created over 100 REST APIs and tested them with unit and integration tests for all possible scenarios
- Integrated the APIs with Angular application as per the user requirements.
- Automated the process of building, testing and deploying code to the server using GitLab pipelines for more than 4 applications.
- Worked on project migration from legacy to new technology which helped in cost-cutting for the company and received appreciation after the successful delivery of application.
- Created knowledge transfer documents for helping future developers.

Indian Institute of Science, Bengaluru, India: Research Intern 1/2022-7/2022

- Research on different parameters influencing causes and ways to cure urinary incontinence using existing technology.
- Finding tools and methods to access and analyze the required data for choosing the appropriate component for designing a cost-efficient device.

WORK EXPERIENCE

Data Acquisition Engineer, Team Chimera, R V College of Engineering, Bengaluru 10/2018-5/2022

- Worked on a system for collecting data from various parts of the car using CAN protocol
- Worked on Battery Management System for acquiring the status of batteries with various other parameters.

PROJECTS

Development of Automation Tool for Optimizing Floorplan of a Given VLSI Design [Java] Summer 2022

- Designed a tool for floor planning for VLSI design using Java along with Swing APIs.
- Implemented simulated annealing algorithm for obtaining optimized floorplan.
- The paper related to this project has also been presented at the INDICON conference.

Automatic Detection of COVID 19 Protocols violation using video surveillance cameras [Python] June 2021

- Developed a model using the YOLO v3 object detection algorithm to identify whether individuals are wearing masks and adhering to social distance protocol.
- Created a user interface to obtain the results in real-time with people violating the protocol marked in different color.

InstaChat, Personal Project [React, Firebase] April 2021

- Designed a live chat application using React and **Firebase** wherein a person can chat privately with another person.
- Profile picture can be added during account creation and chat has option to send images and the duration before which the message was sent is displayed.