

# Shivansh Bakshi

Software Engineer | shivanshbakshi.dev

+91-9035331007

shivansh.bakshi@gmail.com

linkedin.com/in/shivansh-bakshi

github.com/Shivansh-Bakshi

## Experience

- May 2022 – Jul 2022**      **Summer Intern**  
*Deutsche Bank, Bangalore, KA*
- Developed a custom Performance Testing Framework using Java & Scala into Gatling that allows writing tests for Microservices communicating over Google Cloud Pub/Sub.
  - Can use the framework to write performance tests in Java or Scala, specifying random payload generation in XML.
  - Detailed report generated at the end of test.
  - Deployable on Cloud to integrate into CI/CD pipeline.
- Feb 2021 – Feb 2022**      **AI Planning Head**  
*Project MANAS, Manipal, KA*
- Lead the AI team with path planning related tasks for AUVSI-SUAS competition.
  - Successfully implemented planning algorithms within path constraints.
  - Developed an Android App using React Native to capture and Geo-tag high resolution images at a set FPS.
- Oct 2020 – Apr 2021**      **Primary Developer**  
*e-Yantra Robotics Competition*
- Developed an end-to-end warehouse automation solution.
  - Automated placement & sorting of packages using robotic arms.
  - Real-time dashboard integration with delivery status.
- Feb 2020 – Feb 2021**      **AI Member**  
*Project MANAS, Manipal, KA*
- Integrate CenterNet with ROS to provide real-time 2D Object Detection from Zed Camera Interface.
  - Object bounding boxes published over a ROS topic.

## Projects

- 2022**      **Personal Website**
- Developed personal website using ReactJS + Gatsby for efficient static loading.
  - Integrated with Google Analytics tracking.
- Find it here – <https://www.shivanshbakshi.dev>
- 2021**      **Billing App**
- Developed a React Native app with Android Native modules to generate bills from template PDFs.
  - Using local SQLite storage to store frequent customer info.
- Demo - <https://youtu.be/CMZPWKDPfRE>
- 2021**      **Raw Audio – MIDI Converter**
- Created a desktop Qt/C++ app running FFT to detect and store rhythm from real-time input audio as MIDI files.
- Git - <https://github.com/Shivansh-Bakshi/NoteDetection>  
Demo - <https://youtu.be/1x7OmF7IUi8>

## Education

**B. Tech – MIT, Manipal, KA**  
Computer Science **2019-23**  
CGPA – 9.47 / 10

**12<sup>th</sup> – Alpine Public School**  
Percentage – 94.8% **2019**

**10<sup>th</sup> – Delhi Public School**  
CGPA – 10 / 10 **2017**

## Skills

Python

C/C++

HTML/CSS

JavaScript

Java

DBMS

React Js/Native

ROS (Robotics Operating System)

Android Studio

Kubernetes

TensorFlow

Git

Maven

CMake

## Languages

English

Hindi

## Hobbies & Interests

Piano

Self-taught pianist with love for western classical and anime music.

Graphic Design + Video Editing