

## Kushal J

Portfolio

Contact Me

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## EDUCATION

**R.V COLLEGE OF ENGINEERING**BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCEJune 2021- June 2025| Bangalore,  
India

GPA: 8.3

**NARAYANA PU COLLEGE**

Graduated May 2021| Bangalore, India

KCET Rank: 252

JEE Main: 98%

## LINKS

Github:// [kingkushal16](#)LinkedIn:// [kushal-j](#)

## COURSEWORK

**UNDERGRADUATE**

Operating Systems

Computer Networking

Data Structures and Algorithms

Database Management Systems

Artificial Intelligence

Object Oriented Programming

Software Engineering

Compiler Design

## SKILLS

**PROGRAMMING**

★★★★★:

C++ • Python • Scala

★★★★☆:

• Kubernetes • Azure

• GCP • Spark • MySQL

★★★☆☆:

• MongoDB • grafana

## LANGUAGES

**Full Working Proficiency:**

English, Kannada.

**Basic Working Proficiency:**

Hindi, Telugu.

## EXPERIENCE

**INMOBI | SOFTWARE DEVELOPER INTERN**

Jan 2025 – Jul 2025 | Bangalore, India

- Migrated over **40** jobs belonging to model monitoring and compliance pipelines from Databricks to GKS, resulting in approximately **50%** reduction in cost.
- Implemented and worked on various probabilistic data structures like hyperloglog and bloomfilters to improve performance.
- Added grafana based monitoring for **2** crucial pipelines using push gateway.
- **320+** contributions | **17,000+** LOC across feature development, bug fixes, and refactoring.

**COE VISUAL COMPUTING, RVCE | RESEARCH INTERN**

Sept 2023 – Nov 2023 | Bangalore, India

- Developed and trained a MobileNet SSD V2 AI model to detect Indian Sign Language using a custom dataset with over **1600** images.
- Implemented phrase construction from detected signs and conducted testing to obtain an accuracy of over **85%** in extensive testing.

## PERSONAL PROJECTS

**BYTEFORGE: A CODE EXECUTION PLATFORM**

- Reduced the time taken to evaluate and examine programs by **45%** by creating a remote-code execution platform to make it easy to conduct labs at college with an interactive user interface and charts for analytics.
- Used technologies like Next JS for frontend and Typescript, Redis Queue, and NodeJS for the backend encompassing experience in Full Stack development and DevOps using docker and azure.

**SMART PARKING MANAGEMENT**

- Reduced **4** minutes on average to find parking space by developing a web application using Flask and MongoDB for real-time monitoring of parking slots.
- Incorporated a combination of both software and hardware approaches with ESP32, a collection of sensors, and OpenCV for image processing.

## AWARDS

2023	Finalists	HashCode 11.0
2022	Runner Ups	JITHACK 2022
2022	Winners	BOBDAO Cohort 2022

## CERTIFICATIONS

- Introduction to Agile Methodologies, Infosys Springboard.
- Data Science for Engineers by IIT Madras, Silver+Elite.
- Introduction to Soft Computing by IIT Kharagpur, Silver+Elite.