

Kushal J

Portfolio

Contact Me

+916361833293 || 35, Srinivaspura, Bangalore, India

EDUCATION

R.V COLLEGE OF ENGINEERINGBACHELOR OF TECHNOLOGY IN
COMPUTER SCIENCEJune 2021- Present| Bangalore, India
GPA: 8.37**NARAYANA PU COLLEGE**Graduated May 2021| Bangalore, India
KCET Rank: 252
Percentage: 86.5

LINKS

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

COURSEWORK

UNDERGRADUATEData Structures and Algorithms
Database Management Systems
Operating Systems
Artificial Intelligence
Object Oriented Programming
Software Engineering
Compiler Design

SKILLS

PROGRAMMING

★★★★★:

C++ • Python • JavaScript

★★★★☆:

Typescript • NextJs • CSS • Docker
• Azure

★★☆☆☆:

Kotlin • MongoDB • Solidity • MySQL

LANGUAGES

Full Working Proficiency:

English, Kannada.

Basic Working Proficiency:

Hindi, Telugu.

EXPERIENCE

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.

BOBDAO | STUDENT INTERN

Nov 2022 – Dec 2022 | Bangalore, India

- Implemented an Electronic Health Record (EHR) system for basic medical record storage on the Shardeum blockchain network using IPFS and Ganache.
- Utilized technologies such as Node.js, HTML, CSS, JavaScript, and Solidity, along with development tools like Hardhat, to build and deploy the EHR system.

PERSONAL PROJECTS

BYTEFORGE: A REMOTE 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 as well as DevOps using docker and azure.

JOURNAL SENTIMENT ANALYSIS

- Worked on a website to store journals/feedback from a user as part of a psychology experiment. Performed sentiment analysis on these articles to show the type of emotion.
- Obtained a strong positive sentiment from users with the model having an accuracy of over 89%. Used technologies like NextJs, Flask, Tensorflow and MongoDB improving my knowledge in fields of AI and Full Stack development.

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

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