

Kalpesh Narendra Ghorse

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EDUCATION

Government College of Engineering, Nagpur

Bachelor of Engineering – Computer Science & Engineering, Aug 2018 – July 2022

CGPA: 8.16/10

Shivaji Science College, Nagpur

Electronics – 12th Class

73.38%

South Point School, Nagpur

10th Class

92%

SKILLS

Programming Languages: C, C++, Python, Java, Spring, Spring boot, Hibernate

Web Technologies: ReactJS, HTML, CSS, JavaScript, Bootstrap, jQuery, NodeJS, Angular

Databases: MySQL, MongoDB

WORK EXPERIENCE

The Sparks Foundation — Internship- Web Development & Designing

1-31, December 2021

- Developed a web-based Basic Banking System as an internship project
- Implemented core functionalities allowing users to simulate money transfers between bank accounts.
- Built a user-friendly interface enabling easy navigation through customer profiles, transaction history, and fund transfers.
- Applied DOM manipulation to update account balances and display transaction history dynamically.
- The names and other details of the customers can be viewed
- The sender can send money to the recipient by entering the amount
- Transaction history could be viewed

PROJECTS

Student Info Portal

- Designed and implemented a comprehensive Student Info Portal using Java Spring Boot for the backend and React for the frontend.
- The system facilitates efficient student data management, enabling seamless addition and retrieval of student information.
- Developed **RESTful APIs** for data interaction, ensuring secure and optimized performance.
- Spring Data JPA for database interactions : Leverages powerful object-relational mapping capabilities for seamless data persistence.

IOT based city pollution monitoring, MQ135, DHT11 SENSORS, ReactJS

- Worked on interfacing DHT11 humidity and temperature sensor with Arduino
- Created a web-based dashboard using ReactJS to visualize air quality data.
- Used individual gas sensors to detect the concentration of each gas
- At regular intervals, data detected was transferred to Google Firebase Platform

- Used NodeMCU Esp8266 to connect to the Internet to send data to Google Firebase Real Time Database.
- Successfully deployed the system and monitored air quality

Profile Application

- Built a robust backend to handle CRUD operations (Create, Read, Update, Delete) for user profiles.
- Constructed a responsive front-end interface using HTML, CSS, and JavaScript for a seamless user experience.
- Utilized Python Flask for creating RESTful APIs and managing backend functionalities.
- Integrated MySQL for database management, implementing CRUD operations for profile handling.

Spam Detection using Machine Learning

- Developed a machine learning model for spam detection, utilizing fundamental ML techniques.
- Created a classification system to identify and differentiate spam emails from legitimate ones.
- Trained and evaluated the model's performance, fine-tuning parameters to achieve optimal results.

CERTIFICATIONS

- **(ONGOING) JAVA PROGRAMMING STACK - BY FIRSTBIT SOLUTION**
SKILLS : CORE JAVA, ADVANCE JAVA, SPRING BOOT, SPRING, HIBERNATE
- **Complete Machine Learning & Data Science Bootcamp 2023 - From Udemy**