

DEV VORA

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EDUCATION

K. J. Somaiya College of Engineering, Mumbai, India

Candidate for Bachelor of Technology in Information Technology with *Distinction*

July 2022

(CGPA 8.84/10)

PROFESSIONAL EXPERIENCE

K. J. Somaiya College of Engineering, Mumbai, India

Full Stack Developer- Computer Science

May 2020 – July 2020

- Designed a web application using HTML/CSS and PHP using MYSQL and API-plugins for online services and assistance in exam duty allocation to faculty as an in-house internship for the Department of Computer Science.
- Created leave application forms for professors and stored the information in the database which can be downloaded in Excel and utilized Visual Basic and SQL Server skills to enhance the application's features and database operations.
- Incorporated the concept of PHPMailer to send reminders to the professors 24 hours before their supervision duty.

Full Stack Developer- Information Technology

February 2020 – June 2020

- Built a web application to help users with household chores and problems such as Electrical faults, Plumbing repairs, and housekeeping as an in-house internship for the Department of Information Technology.
- Designed the login module using HTML, Django Framework, enabled it to register name, username, email id of the user and verified the same through OTP, contact, address, and pin-code and created the payment gateway for admin and user.
- Integrated the backend using Django framework of the allocation process including the provision to allow the admin to survey customer requests and assign a professional for the same.

ACADEMIC PROJECTS & PAPERS

HIVE (Hire Vehicle) | Flutter, Firebase, GPS

- Introduced a vehicle rental platform where the customer is allocated a vehicle based on input provided such as Source, Destination, Time/Date of Ride, Vehicle Type.
- Incorporated GPS location in the flutter application along with OTP verification for booking and confirmation of a ride.

BurnOut: Fitness App | Flutter, Dart, Firebase

- Devised a Flutter application that promotes healthy behavior change by suggesting personalized workouts along with water tracker, songs, reminders and also generates progress reports for the user.
- Implemented a registration and Email-verification page for the user, developed an interface within the application to listen to music while performing the exercises including the videos and timers for performing the exercises.

GameDise | Flutter, Firebase

- Programmed a gaming application that provides Sudoku and Tic-tac-toe games. Added a feature to the game where the agent solves the Sudoku using Min-Max Algorithm and Backtracking for solving the Sudoku Board.
- Worked on Sudoku Module and incorporated a Random number generator for the sudoku grid and backtracking feature for the Solver Agent and provided a user-friendly UI.

ReLis: Let the Book Talk!!:

- Developed Smart Digital Library System using Flutter, NodeJS and MongoDB Frameworks
- Provides OTP verification Registration and features such as Translation of text, audio books using text to speech conversion, rent/buy books, statistics, recommendation using ML.
- Submitted and Presented a research paper in the IEEE - I2CT Conference April, 2022.

RESEARCH PUBLICATIONS

Car Image Classification & Recognition

- Researched the classification of vehicle images by artificial vision using Keras and TensorFlow. Published a paper on the same in the International Journal for Research in Applied Science & Engineering Technology, in September 2021, ISSN: 2321-9653.

Social Engineering Attacks & Mitigations

- Researched on cyberattacks such as phishing, smishing, pretexting, baiting, water holing, and worked on its preventive measures and published it in International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 10 Issue 10, October-2021

TECHNICAL SKILLS

- Programming Languages: C, C++, Python, R Machine Learning: NumPy, Pandas, Matplotlib, Seaborn, Scikit Learn, TensorFlow | Web Development: HTML, CSS, Bootstrap, JavaScript, PHP, Django, Flutter, Dart.
- Database: Firebase, MYSQL, PostgreSQL, MongoDB | Operating Systems: Windows, Linux.
- Other Softwares: Docker, AWS, Jenkins, Google Cloud

EXTRACURRICULAR ACTIVITIES

- Participated in a Hackathon, Feynwick conducted by K. J. Somaiya Institute of Engineering and Information Technology in April 2021, created programs to solve 10 questions and verify using the test cases.
- Completed a course on Machine Learning in August 2021 and Data Science in September 2021 offered by Udemy.