VEDANT DADURWADE

Pune, India

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Education

Shri Ramdeobaba College of Engineering and Management **August 2019 – May 2023**
Bachelor of Technology, Electronics and Communication Engineering, CGPA: 7.78 *Nagpur, India*

Relevant Coursework

- Data Structures
- Object Oriented Prog.
- Algorithms Analysis
- Database Management
- Computer Networks
- Computational Maths
- Software Methodology
- Computer Architecture

Work Experience

Tata Consultancy Services **June 2023 – Present**
System Engineer - Java Webservices Developer *Pune, India*

- Developed backend components using Java and Web Services for an American client Becton and Dickinson (BD).
- Created workflow structures including states, activities, and data fields to support healthcare compliance applications.
- Led the end-to-end development of Field Action from scratch and contributed to Global Complaints and MMS projects.
- Conducted training sessions for newly onboarded junior developers, ensuring seamless integration and productivity.

CodeClause Private Limited **April 2023 – June 2023**
Project Intern *Pune, India*

- Developed Time Zone Converter app using Java Date-Time API, for conversion between local and country time zones.
- Built Library Management System with role access, integrated JDBC for MySQL connection to manage operations.
- Collaborated using Eclipse, implementing Java, database schema design, optimizing SQL queries for data handling.

PrimaThink Technologies Limited **May 2022 – June 2022**
Front End Developer Intern *Pune, India*

- Contributed to the development of the Prima Employee Management System with a focus on front-end functionality.
- Designed and enhanced a clean, responsive dashboard UI using HTML5, CSS3, Bootstrap and JavaScript to improve UI.
- Implemented interactive elements for admin and employee panels, incorporating key features for data management.
- Integrated Firebase for backend services, including data storage enabling real-time data handling and authentication.

Academic Projects

Sign Language to Text Converter App | *MediaPipe, Numpy, Tinkter, Raspberry Pi* **April 2023**

- Built AI-based gesture recognition system for deaf and mute individuals, 97% accuracy using dataset of 3900 images.
- Applied preprocessing using skin-pixel masking, MediaPipe hand landmark extraction, improving gesture detection.
- Deployed the trained model on Raspberry Pi 4, and presented the work at ICESC-2022 International Conference.

URL Link Shortener WebApp | *Django, HTML/CSS, Bootstrap, JavaScript* **December 2022**

- Developed a web-based URL shortening app using Django framework, allowing users to generate compact links.
- Designed a responsive front-end UI using HTML/CSS, Bootstrap, and JavaScript for smooth user interaction.
- Deployed the application live via Netlify, ensuring accessibility and testing in a real-world hosting environment.

Vehicle Number Plate Recognition | *Python, OpenCV, MATLAB* **August 2022**

- Developed a MATLAB-based license plate detection system using grayscale conversion, and image segmentation.
- Implemented a complete pipeline for plate recognition: image capture, preprocessing, alphanumeric identification.
- Recognized plate characters by comparing segmented outputs with pre-trained database and displayed results in GUI.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, MySQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Technologies/Frameworks: Linux, GitHub, Bootstrap, React, Django, Heroku

Leadership / Extracurricular

- Member of college Technical Club; organized tech events and mentored junior students in coding and development.
- Passionate about music; perform flute and guitar solos at company cultural events and contribute to office music club.