Vivek Chenganassery

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EDUCATION

APJ Abdul Kalam Kerala Technological University   **Kerala, India**

Bachelor of Technology in Electronics and Communication Engineering GPA: 7.86/10   **Aug 2018 - Jun 2022**

Relevant Coursework: Operating System, Computer Organisation, Soft Computing, Data Structures, Pattern Recognition(Machine learning), OOPs with C++ and Java, Android development, Information technology and Coding.

WORK EXPERIENCE

BOSCH   **Coimbatore, India**

Software Developer   **Aug 2022 – Present**

- Collaborated to design and develop automated scripts using Python and ECUTEST, with numpy, pandas, and python-can, thereby resulting in a significant reduction in testing time and increase in testing efficiency.
- Supported the integration team to successfully migrate from manual-coded software to ASCET-generated code software.
- Developed software for Engine Control Units for managing the vehicle sensors and performing several activities such as emission control and fuel injection.
- Contributed to building an application "Super tool" that automates basic activities which significantly reduces human effort.
- Awarded with "Bravo" for excellent individual performance and a great GPD score for meeting the goals for the year.

PROJECTS

Blackboard

- Contributed to develop an application based on Flutter. The application was for educational purposes and acted as an interface application between the faculty, admin, and the students.
- The application was built using Flutter for frontend development and Firebase for backend development.
- The Firebase authentication was used for the signup and login purposes while using the Cloud Firestore and Firebase Cloud Messaging to get real-time posting and messaging

E-Compare

- Developed an application using React.js for the frontend and Node.js powered by Express for the backend assisting the customers to make better buys across e-commerce websites.
- E-compare was prepared with a mock dataset, due to compliance issues. The application allows users to search for a product, compare the prices across various e-commerce websites, and return the best possible cost for the product.
- The app envisages an easy life for the customers due to its feature of providing a consolidated price list in a single shot, thereby giving the customer the option to choose the best offer for the product.

Sporcom

- Developed a region-specific application for the sporting community to interact and plan their games with other users.
- The application was developed using Flutter for the frontend and Firebase for the backend.
- Using the FA, CF, and FCM, features such as login, posting updates, and messaging were introduced. Additional features such as planning an event, and making connections were also added.

SKILLS

DS using Python, C++, C, Java, Javascript, ReactJS, NodeJS, Dart, SQL, NoSQL, Algorithms, Flutter, Django, Meteor.js, HTML, CSS

ACHIEVEMENTS AND CERTIFICATIONS

- Completed a course on **Python Data Structures** offered by Coursera in association with the University of Michigan
- Completed a course on **Capstone: Retrieving, Processing and Visualizing Data with Python** offered by Coursera in association with the University of Michigan
- Complete a course on **Web Application Development with JavaScript and MongoDB** offered by Coursera in association with the University of London.
- Quarterfinalist in ASICS National schools' badminton tournament representing the state and secured bronze in a state-level badminton tournament.
- Bronze medalist in a district-level chess tournament.
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