

Vivek Chenganassery

Kerala, India · vivekc.mec@gmail.com · +91 8157004667 · [Linkedin](#)

EDUCATION

University of Florida

Masters in Computer Science

Relevant Coursework: Advanced Data Structures, Machine Learning, Analysis of Algorithms, Introduction to Data Science, Operating Systems

Gainesville, Florida
Aug 2025 - Present

APJ Abdul Kalam Kerala Technological University

Bachelor of Technology in Electronics and Communication Engineering GPA: 7.86/10

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

Kerala, India
Aug 2018 - Jun 2022

WORK EXPERIENCE

BOSCH

Software Developer

Coimbatore, India
Aug 2022–May 2025

- 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.

PROJECTS

Talk2DB - AI-powered Natural Language to SQL Converter

- Built with Next.js 15, TypeScript, and OpenAI GPT-3.5-turbo API
- Features modern UI with Framer Motion animations and responsive design
- Implements RESTful API endpoints with comprehensive error handling
- Enables users to convert natural language queries to SQL statements instantly

Tweet Sentiment Analyzer – Analyze the nature of Tweets

- Built full-stack ML web app with custom sentiment analysis model
- Deployed on Railway (backend) and Vercel (frontend) with cross-platform compatibility
- Implemented real-time API integration between React frontend and Python ML backend

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.

SKILLS

DS using Python, C++, C, Java, Javascript, ReactJS, NodeJS, Next.js, 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 University of London.