Kartik Vvas

Computer Science and Engineering IIT Jodhpur

Skills

Competence

- Competitive Programming
- Mobile App Development
- Full Stack Web Development
- Machine Learning

Proficient

- Java C C++ Spring Boot
- Apache Camel
 Spring JDBC

Familiar

- Python HTML CSS
- JavaScriptTypeScript
- Matlab Latex Git

Frameworks

- Angular Bootstrap Flask
- React Native Keras Pytorch

- Content Writing
- Public Speaking

Education

IIT Jodhpur | B.Tech. - CSE 2022 | CGPA:8.23/10

Blue Heaven Vidyalaya 2018 | XII | Percentage: 88.0%

Seedling Modern High School 2016 | X | CGPA: 9.8

Relevant Courses

- Computer Programming
- Discrete Mathematics
- Data Structures and Algorithms
- Object Oriented Analysis and Design
- Software Engineering
- Theory of Computation
- Operating Systems
- Algorithm Design and Analysis
- Artificial Intelligence
- Database Systems
- Computer Networks
- Linear Algebra and Calculus
- Probability, Statistics and **Random Processes**

Achievements

- JEE Advanced 2018 2929 Rank [top 0.3%]
- Student Guide | Counselling Services | Jul 2019 - May 2020 Mentored 9 students
- CodeForces | Expert | 1714
- CodeChef | 4 Stars | 1917
- CodeForces Global Round 10 | Rank 732/11678

Mob.: +91 800 348 6067 Email.: vyas.2@iitj.ac.in

Website: vyaskartik20.github.io

GitHub: vyaskartik20 | LinkedIn: kartikvyas20 | YouTube: Kartik CodeChef: dare20 | CodeForces: dare20 | HackerRank: murdock20

Experience

Morgan Stanley | Dec 2022 - Ongoing

Fixed Income | Senior Technology Associate | Mar 2023 - Ongoing

- Sole contributor in Orchestration Layer between UI and backend apps
- Gathered requirements from the business side and designed REST APIs
- Developed services to fetch data from downstream services for order creation and order status applications using Java and Apache Camel
- Provided KTs and helped team in Production deployment

Unit Investment Trust | Technology Associate | Dec 2022 - Feb 2023

- Developed tool to keep legacy database consistent with modern DB
- Developed data services in UIT modern platforms using Spring JDBC
- Followed agile practices, part of design and business domain discussions and gave firm-wide presentation.

Gen Al Hackathon | Jul 2023 - Aug 2023

- Developed a tool using Python and OpenAI that can provide solutions to a technical or business problem in textual and diagram formats
- Integrated the tool with Firm's inhouse architecture storehouse to provide solutions inspired form existing blueprint
- This tool offered a playground for developers to experiment and brainstorm on new ideas and designs

Morgan Stanley | Technology Analyst | Aug 2022 - Nov 2022

- Part of an intensive 3 month training program to learn about major technologies used in MS and tech industry
- Created a simulation of Trading application involving use of MQs, CPS, **REST APIs along with Angular** based UI to perform trades

Morgan Stanley | Summer Intern | May 2021 - Jul 2021

- Built greenfield web application used by 100s of Financial Advisors
- Made responsive, compact, easy to use frontend screens using Angular
- Integrated Stored Procedures and APIs via Spring Boot & Spring JDBC

Projects

SEMANTIC PLAGIARISM | GitHub | Demo

B.Tech Project | Nov 2020 - Apr 2021 | Mentors: Dr. Romi Banerjee and Dr. Debarati Bhunia Chakraborty

- Formulated utilities like semantic similarity, online plagiarism and textual entailment with several key similarity features using **Python**
- Developed binary classification, multi-class classification and regression models using Pytorch and Keras
- Developed a compact and user-friendly website using React and Flask

AUTOMATIC ANSWER GRADER | GitHub | Demo

B.Tech Project | Jan 2020 - Apr 2020 | Mentor: Dr. Anand Mishra

- Developed algorithms aided by OpenCV library for grading OMR sheets and hosted it using flask API on AWS EC2 instance
- Built a cross platform mobile app using React Native which allows the user to grade OMR sheets by uploading pictures of the answer sheets

VID - STREAM AND DATABASE | GitHub | Demo

Course Project for Computer Networks and Database Systems | Dec 2020 - Feb 2021 | Mentors: Dr. Ravi Bhandari and Dr. Romi Banerjee

- Established video streaming with synced audio over a local network and later saving streamed video on devices which can be shared later.
- Conditional Peer to Peer direct File transfer using Python Sockets

TIME SERIES ANALYSIS | GitHub | Report

B.Tech Project | Jul 2021 - Dec 2021 | Mentor: Dr. Gaurav Harit

- Anamoly Detection using LSTM Autoencoder model
- Single and Multi step Time Series Prediction using LSTM and **CNN-LSTM Encoder Decoder** models