Abhishek Kumar

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Skills--

C# | NET | Java| JavaScript | TypeScript | C++ |C| MongoDB | MSSQL | Node | Express | React | Vue | Redux Query | NoSQL | Git | Azure | TypeScript | Laravel | XUnit | Django | Rest APIs | Unit Testing | Lambda | OOP | Outlier detection | Cypress | Frontend | Backend | Full-Stack | English Hindi - All professional proficiency or above

Experience--

Teaching Assistant   Coding Ninzas   Feb 2020 - Jun 2020 · 5 Months

•-->Solved more than 800+ doubts of undergrad students on competitive programming queries.
•--> Debugged more than 700+ codes.

SWE Summer Intern   Fidelity Investmnts   May 2021 - Jun 2021 · 2 Months

•-->Worked with Docker containers, Docker Compose, Postgres, node, and Redis on backend.
•-->Worked with Retool to build internal tools with rich GUIS.
•-->Used TypeScript with NextJS with full type coverage on frontend.

SWE Intern   Fidelity Investments   Jan 2022 - Jun 2022 · 6 Months

•-->Worked on Spring MVC, tested programing code & applications.
•-->Developed flows and Made performance-related changes in the existing Mule3 API.
•-->Designed optimized Rest API's using extensive libraries like pandas, numpy, JSON, schema check, etc.
•-->API's involves operations viz. storing, processing & updating of business data & anomaly detection, by automating manual processes.
•-->Application Deployment on server using Bitbucket, GitBash & Jenkins.
•-->Designed optimized Rest API's using extensive libraries like pandas, numpy, JSON, schema check, etc.
•-->Worked with AWS SES and AWS SNS to send and store email metadata in the database.
•-->Used TypeScript with NextJS with full type coverage on frontend.
•-->Used AWS Cloudformation to set up Meta Conversions API.
•-->Used Cypress for fully automated frontend testing.

Software Engineer   Fidelity Investments   July 2022 – Aug 2022· Months

•-->Worked on Machine Learning libraries and Implemented Outlier Detection.
•-->Worked using Postman, WinSCP, Putty, Anaconda & Visual Studio.
•-->Worked on better coding conventions for modularity and security with decorators, error handling, data encryption.
•-->Enhanced my debugging functionality using longman with different logging levels and maintaining the application.

API Dev Freelancer   Nasdaq   July 2022 – Sep 2022· Months

•-->Worked on a project related to BPNL (Buy Now Pay Later) which includes list of architectural API's including experience, process and system level performing series of loan onboarding activities like Identity verification, customer's authenticity check, loan creation and status check, loan disbursement, etc. Designing RAML, implementing flows, building Munits, testing and deployed API's and several resources which involve bank-related transactions such as new customers KYC or CKYC search and download.

Software Engineer   MongoDB   Sep 2022 – Present

•-->Optimizing insertion of large amount of data in database and working out hard problems that makes distributed database more accessible to developers all over the world.

Education--

Bachelor of Technology   Vellore Institute of Technology   Vellore 2018-2022 Year

•-->Information Technology CGPA – 8.44

Projects--

ClearGPT
Oct 2022 - Apr 2023

•-->ClearGPT is a browser extension (tested on Chrome) that allows you to use natural language to close tabs you no longer need.

Link - https://chrome.google.com/webstore/detail/cleargpt/njkmbkbodgafbllpipchabgokaafohhd?hl=en&authuser=1

Online Quiz Platform for our College using PHP and MySQL
Jan 2021 - May 2021

•-->We have came with some innovative idea which can overcome some problematic situation:

1.QUIZ will be available inside VTOP Login , so that they not need to depend on some other external source.
2. Marks of the quiz will be automaticaly reflects in the marks section inside VTOP and admin can also access to it,so that faculty don't need to do any after work after conducting Quiz.

Admin will be able to add Questions from there admin Login on VTOP, will provide a proper framework for faculty so that they find easy to add Questions.

Link - https://github.com/abhishek5228/VIT_QUIZ_PHP

Tic-Tac-Toe Android App
Oct 2020 - Dec 2020

•-->In this Project i have create an offline 2 player Tic Tac Toe game. We code the whole game logic, count player points, add a reset functionality and handle orientation changes, so we don't lose our game state when we rotate the device.

We will create the layout by creating 9 buttons within nested LinearLayouts and we will even them out over the screen by adding the layout_weight attribute. Our player points and reset button will be in a RelativeLayout and we will create a 2 dimensional array of buttons, we will dynamically assign them with findViewById and set OnClickListeners on them by using a nested for-loop.We will handle the clicks on our playing field, switch between players and implement a method that checks for a winner at the end of each turn, by going through all rows, columns and diagonals of our playing field and checking if one of them has 3 matching fields. An integer variable will count each round, so we know, that if we don't have a winner after 9 rounds, we have a draw.

Next we will finish the winning logic by updating the player points and resetting the board and variables and we will also take care of draw situations.we will also take care of configuration changes (like an orientation change), by giving our TextViews and Buttons the "freezesText" attribute and saving our member variables in onSaveInstanceState.

We will restore these values in onRestoreInstanceState so we don't lose our game progress. Also we will implement a restart functionality, which resets our board, points and round count..

Link - https://github.com/abhishek5228/Tic-Tac-Toe-Mini-Project

Prediction of Covid-19 Status in future
Aug 2020 - Oct 2020

•-->Here a comparison of Random Forest and Multiple Linear Regression model is performed where the score of the model R2 tends to be 0.99 and 1.0 which indicates a strong prediction model to forecast the next coming days active cases. Using the Multiple Linear Regression model as on September month, the forecast value of 52,290 active cases are predicted towards the next month of 15th October in India and 9,358 active cases in Odisha if situation continues like this way. At the end of the our Project,we are trying to compare the best accurrate result predicted by these two models.

Link - https://github.com/abhishek5228/Prediction-of-Covid-19-Status-in-future-

Detection of DDOS Attack using Wireshark in real-time
May 2020 - Jul 2020

Link - https://github.com/abhishek5228/DETECTION-OF-DDOS-ATTACK-USING-WIRESHARK-IN-REAL-TIME-