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Aniket Inamdar

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EDUCATION

Dr. Vishwanath Karad MIT World Peace University   Pune, India
B.Tech. Computer Science and Engineering | ***CGPA: 9.44/10.00***   *2018 − 2022*

- **Relevant coursework:** Mathematics I-II-III, Computer Programming, Introduction to Electrical Engineering, Digital Electronics and Logic Design, Object Oriented Programming, Computer Organization and Architecture, Data Structure I-II, Microprocessor and Interfacing Techniques, Microprocessor and Microcontroller, Operating Systems, Theory of Computation, Design and analysis of Algorithms, High performance computing, System Software and Compilers, AI and Advances in Machine Learning

WORK EXPERIENCE

eQ Technologic   Pune, India
Software Engineer   *Aug 2022 − Current*

- Served as a Software Engineer within the Adapter and Plugins development team at eQTechnologic.
- Contributed as a member of the Adapter team, responsible for establishing the intermediary data processing layer between the end application and eQube products.
- Have experience working with Apache Calcite and Apache Spark to develop high-performance data processing pipelines, allowing users to perform complex operations on extensive datasets such as joins, filters, groupby's, and orderby's.
- Implemented a system-wide feature enhancement enabling users to seamlessly convert dates and timestamps in their reports to their respective local timezones.
- As part of an organized team effort, I oversaw the transfer of more than sixty internal projects from the more cumbersome Redmine and SVN VCS systems to the more efficient Jira and Bitbucket systems.

Talentserve   Remote
Backend Developer - (Internship)   *Jan 2021 − April 2021*

- Integrated front-end dashboards with backend Django logic using jinja2 and AJAX.
- Developed web scraper to get available job positions from websites like Naukri and Indeed using PyPeter and BeautifulSoup.
- Created a chat application using reconnecting web sockets with the Django channels library and Redis server as the message broker.

PROJECTS

Revant - Discord Compiler Bot | *GitHub*
key skills: Rust, Serenity, Multithreading, Posix

- Revant bot can retrieve code from discord messages containing a code block and bot commands.
- The retrieved code is compiled and executed and its result is posted back on the discord channel.
- The bot is multithreaded and makes use of 8 long-running threads which are associated with workers and each worker makes POSIX calls to restrict CPU and memory usage for its subprocess.

Chess Engine | *GitHub*
key skills: Python, Flask, JS

- Created a python chess engine using python and Flask which uses minimax heuristic search to determine the next move.
- The chess engine makes use of two modes, with minimax algorithm and minimax with alpha-beta optimization.
- The chess engine's performance was analyzed by having it play against the stockfish chess engine.

Publications

Comparative analysis of minimax algorithm with alpha-beta pruning optimization | *Springer*
The paper introduces a chess game engine incorporating a minimax algorithm for game tree search and employs the alpha-beta pruning algorithm to enhance efficiency by reducing the search space in the game state tree. The work includes an expository presentation elucidating the minimax algorithm and rigorous experimentation demonstrating the effectiveness of the alpha-beta pruning method in improving the chess engine's algorithmic efficiency.

Skills

Programming: C, Rust, C++, Python, Kotlin, Java, MongoDB, MariaDB

Tools and Libraries: Git, GNU/Linux, SVN, Bash, TensorFlow, Keras, Serenity, React, PyTorch

Frameworks: Flask, Django, NodeJS, ExpressJS, OpenMP

Extra - Curricular Activities

The S.C.R.I.P.T Group - Technical member at leading tech-driven club of MITWPU, majorly interested in developing a tech-oriented student community through regular events and competitions. Contributed various problem statements for competitive programming competitions. Conducted 2 workshops for introduction to programming in Java and C++.

Developer Student Club - Member of DSC-MITWPU. Google Developer Student Clubs are university-based community groups for students interested in Google developer technologies. Conducted various teaching workshops on Git and GitHub version control system and introduction to android programming using Kotlin.

Community Experience

Android Study Jam - Android programming with Kotlin | *Youtube*

Android Study Jams - Facilitator

I conducted this workshop with DSC-MITWPU as a Facilitator where I taught the following:

- Fundamental programming concepts in Kotlin.
- OOP concepts in Kotlin and overview of Android Studio.
- Programming Android apps with Kotlin.

Assessments / Certifications

Full Stack Web Development With React Specialization
ReactJS, Express.js, MongoDB, HTML5, CSS, Bootstrap, Redux, React Native, NodeJS

GCP Cloud Engineering Track
Google Cloud Platform, Docker, VM, Git, VPS

Python, and Django Full Stack Web Developer Bootcamp
Django, Python, REST API, Django ORM, JQuery, MVT