Chandu Kathi

chkathi311@gmail.com • (916) 850-5881 • Sacramento, CA • linkedin.com/in/chandu-kathi • github.com/chkathi

EDUCATION

California State University, Sacramento (Dean's Honor List) — Sacramento, CA
Bachelor of Science in Computer Science, GPA: 3.78 — January 2023 - December 2024
Relevant coursework: Data Structures, Object Oriented Programing, Database Management, CS50 Introduction to AI in Python, Building Large Language Models (LLMs) in Python

Folsom Lake College — Folsom, CA
Associates in Computer Science & Interdisciplinary Studies, GPA 4.00 — June 2019 - December 2022

SKILLS

Languages: SQL, Python, Java, Javascript, C, C++
Tools & Frameworks: GitHub, Oracle SQL, Pandas, Tableau, MySQL, React.js, Node.js, Express

WORK EXPERIENCE

Kaiser Permanente - Portland, OR — **June 2024 - August 2024**
Data Reporting and Analytics Consultant Intern
- Trained a BERTopic model on over 140,000 unique referral data, leveraging MiniLM and Hugging Face's MixedRead AI LLM to identify and categorize 42 topic clusters. Model will be used to identify unmet non-medical needs of patients.
- Analyzed the model's performance through visualizations using advanced text embedding and clustering techniques, ensuring accurate and meaningful topic identification.
- Designed, created, and leveraged data visualization skills to build a Tableau dashboard used by executives for resourcing, prioritization, and workflow decision-making; contributed to a referral notification backlog reduction of over 85%
- Cleaned and handled data using Oracle SQL, collaborated across teams to gather requirements, and presented findings to business partners, utilizing strong consulting and cross-functional communication skills.

Department of Toxic Substance Control - Sacramento, CA — **November 2023 - June 2024**
Student Assistant Intern
- Contributed to project planning and organized information and records using the Microsoft Office suite of applications
- Applied scientific literature, software tools, and other sources of reliable information to conduct bioremediation research
- Reported on meeting notes during senior staff meetings, hearings, and workshops

CSU Sacramento - Sacramento, CA — **August 2023 - December 2023**
Instructional Student Assistant
- Conducted code reviews, improved students' understanding of data structures through constructive feedback
- Organized study sessions, facilitated a dynamic learning environment, and fostered students' problem-solving skills
- Collaborated to formulate a comprehensive grading rubric that effectively gauged students' comprehension of material

Folsom Lake College - Folsom, CA — **August 2020 – November 2023**
Learning Skills Tutor
- Identified and eliminated learning obstacles in both Computer Science (Data Structure in C++/Java) and Calculus
- Developed individualized study plans and managed weekly mentorship session for students
- Increased student retention and boosted student grades by over 15%

SOFTWARE PROJECTS

United Dental Website | React, Azure, PostgreSQL, Node.js
- using react to develop to develop the front end and used node/azure to develop the backend (managing authentication and appointment data)
- Collaborated with clients to determine website requirements (more on the lines of providing options to the business partners, also understanding dental's business requirements)
- Agile methodology was used to organize tasks and conducted bi weekly code reviews to ensure the quality of the code and the website

Byte My Courses | React.js, Firebase, OpenAI 3.5 Turbo/Whisper APIs
- Used both OpenAI 3.5 Turbo and Whisper API to create a online tutor as well as a tool to upload lectures notes and audio to be transcribed and summarized
- Presented to a group of startup business owners
- Worked with a team of 4 students in a fast pace environment to create the application

Job Application Tracker | React.js, MySQL, Node.js

- Managed and deployed a full stack React web app to track job applications using Github
- Implemented a login and signup authentication system that allows users to access their data stored in MySQL database
- Developed REST API using Node.js/Express to make GET, POST, and DELETE requests that allow users to view job application data from SQL database

Transit Application | Java, MongoDB, Springtools, Postman
- Lead a cross functional team of 4 other developers and achieved a 15% reduction in development time
- Used Agile methodologies, promoted effective communication and problem-solving within the team, and ensured timely delivery of project goals
- Developed REST APIs in Java to interact with transit data stored in MongoDB to calculate a shortest route algorithm that takes into account routes, stop times, and other transit data
- Utilized SpringTools to streamline development and configuration processes and leveraged Postman to validate API functionality and ensure data integrity

Mini Shell | C
- Constructed a mini shell program in C, featuring command execution of common Unix commands like ls, cat, and grep, support for built-in commands, and command redirection capabilities for input and output.
- Employed error handling, such as displaying appropriate error messages and exit statuses, to enhance reliability of shell
- Utilized Makefile for efficient compilation, linked of multiple source files, and simplified the build process

LEADERSHIP EXPERIENCES

Association of Computing Machinery (ACM), President	January 2024 – May 2024
Society of Women Engineers, Professional Event Coordinator	August 2023 – December 2023