ANURAAG KOLLI

(214) 641-6065 | anukolli05@gmail.com | linkedin.com/in/anuraag-kolli | https://github.com/anuraagkolli

EDUCATION

Purdue University West Lafayette, IN
B.S. Artificial Intelligence & Computer Science, Certificate in Entrepreneurship, GPA: 3.70 *Expected Graduation: May 2026*
Clubs/Organizations: CAST Program Chair at The Anvil, SCALE Researcher, USB Mentor, ML@Purdue, Boiler Bhangra Dance
Coursework: Data Structures & Algorithms, Object-Oriented Programming, Artificial Intelligence Basics, Discrete Mathematics

EXPERIENCE

Quantum Developer / Researcher August 2023 – May 2024
Ingenii (Data Mine Corporate Partners @ Purdue) *West Lafayette, IN*
- Developed a Quantum-powered UNet model, combining AI and Quantum algorithms to enhance breast cancer detection, achieving a 15% increase in model accuracy compared to traditional methods.
- Processed and analyzed breast cancer datasets (over 20,000 patient records), leveraging Tensor Decomposition techniques for efficient data handling and feature extraction.
- Implemented Quantum Filters, optimizing the computational efficiency of my UNet by reducing inference time by 30%.

Data Analytics Intern June 2022 – August 2022
Ericsson *Dallas, TX*
- Developed and automated SQL-based data pipelines and Python scripts, reducing individual data processing time by 90% for the Performance & Transformation Team through efficient data extraction and manipulation.
- Built and optimized interactive dashboards and reports in Tableau, providing enhanced real-time insights and streamlining reporting for improved project analysis.
- Collaborated with 11 engineers on back-end improvements, integrating new data sources to enhance scalability and reliability.

Machine Learning Intern June 2021 – October 2021
Dallas Data Science Academy *Dallas, TX*
- Completed a Data Science/ML certification through IBM.
- Designed a multifaceted stock prediction program for clients on Google Collaboratory using python and ML.

PROJECTS

Personal Portfolio Website | *Next.js, React, CSS, Tailwind CSS, Framer Motion, JavaScript, HTML* Nov 2024 – Present
- Developed and deployed a personal portfolio website using Next.js and hosted it on GitHub Pages, showcasing personal projects, technical skills, and contact information in an organized and user-friendly format.
- Integrated animations with Framer Motion and CSS transitions, creating an interactive and visually appealing experience.
- Leveraged React hooks and Tailwind CSS for responsive design, and JavaScript libraries to enhance functionality and ensure compatibility across browsers and devices.

Shanti Mental Health AI | *React Native, Python, MongoDB, NLP, AWS Lambda* January 2024 – February 2024
- Leveraged Sentiment Analysis through ML and NLP algorithms to create a mobile app for tracking emotions and mental health
- Designed and implemented a secure database architecture using MongoDB Atlas for encrypted storage of sensitive user data, and integrated Docker to streamline deployment and ensure platform consistency.
- Leveraged AWS Lambda functions for scalable and reliable back-end operations, supporting user growth and data requests.

Messaging App | *Java, Swing Library* February 2024 – May 2024
- Utilized multi-threading and concurrency to develop a server class which can handle multiple clients.
- Implemented complex GUI libraries to improve accessibility and functionality.

Explorer.AI | *Python, JavaScript, Flask, Database, Rest API, Tailwind CSS* September 2023 – October 2023
- Developed a full-stack application utilizing ShellGPT API to generate personalized travel itineraries, integrating parameters for user preferences, destinations, and travel budget.
- Designed an interactive front-end with React, Node.js, Tailwind CSS, and HTML, enhancing user engagement and ease of use.
- Implemented back-end APIs through Flask and connected them with Supabase to ensure seamless data handling.

EXTRACURRICULARS

CAST Program Chair January 2024 – Present
The Anvil
- Providing mentorship to emerging entrepreneurs to help develop successful businesses
- Establishing relationships with industry experts to leverage insights and network
- Onboarding teams to the CAST Program to scale projects into businesses by offering investment and mentorship packages

TECHNICAL SKILLS

Languages/Libraries: Python, Java, Javascript, HTML, CSS, Pandas, Numpy, Scikit-learn, Matplotlib, TensorFlow
Developer Tools: Git, Docker, VS Code, Jupyter Notebook, PyCharm, IntelliJ, Eclipse, Qiskit
Databases/Frameworks: Firebase, MongoDB, PostgreSQL, Next.js, Node.js, Flask, React, Rest API