ANEESH BUKYA

US Permanent Resident | aneeshbsri@outlook.com | (585)-698-8943 | LinkedIn: Aneesh Bukya | GitHub: aneeshbukya

EDUCATION

Rochester Institute of Technology   **Expected Graduation: May 2026**
B.S. Honors in Computer Science, **GPA: 3.8/4.0**   *Rochester, New York*
Concentrations/Minors: Concentration in Artificial Intelligence and Minor in Business Administration
Related Coursework: Machine Learning, Artificial Intelligence, Probability and Statistics, Object-Oriented Programming, Data Structures and Algorithms, Mechanics of Programming, Database Management, Linear Algebra

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, JavaScript, Go, SQL, C, HTML/CSS
Frameworks/Technologies: Spring Boot, Angular, React.js, Next.js, Django, Git, REST API, Maven, Docker, Streamlit, Firebase
AI/ML Technologies: OpenCV, NumPy, Scikit-learn, NumPy, Pandas, OpenAI, HuggingFace

EXPERIENCE

CodePath   **Jul 2024 – Present**
Tech Fellow   *Remote*
- Mentored over 25 students weekly, providing guidance on fundamental data structures and algorithms concepts and problem-solving techniques by collaborating with the course instructor to enhance the quality and interactivity of course materials, ensuring an engaging learning experience for participants.

Brightcone.ai   **May 2024 – Present**
Machine Learning Engineer Intern   *Dallas, Texas*
- Collaborated with a team of 5 in an agile environment to develop over 10 AWS Lambda functions, automating IT tasks and enhancing internal support for BART employees by integrating 6 AWS Bedrock action groups using Python.
- Led the development of the help desk agent, leveraging AWS S3 to store and manage BART's extensive knowledge base, resulting in a 30% reduction in response time for internal inquiries.
- Implemented a React frontend for an internal IT support portal, seamlessly integrating AWS services such as Lambda, S3, and Bedrock to improve user experience and achieve a 25% increase in task automation efficiency.

PROJECTS

EmpowerHR: AI-Powered HR Agents | Python, Django, CrewAI, HTML/CSS   **GitHub Link**
- Developed an advanced Django web application using Python and CrewAI to automate candidate notes summarization, achieving a 70% reduction in processing time and handling over 20 evaluations per week.
- Engineered an intelligent FAQ system within the web app, leveraging OpenAI for rapid query responses and reducing FAQ handling time by 45%, enhancing HR operational efficiency.
- Designed an efficient onboarding module that decreased the onboarding process from 2 weeks to 1 week, utilizing Python to improve workflow and streamline the employee integration process by 50%.

Breast Cancer Diagnosis Predictor | Python, Scikit-learn, NumPy, Pandas   **GitHub Link**
- Developed an interactive Streamlit web app using Python and Scikit-learn for breast cancer prediction, achieving over 98% accuracy through data preprocessing with Pandas and NumPy.
- Implemented radar charts to visualize diagnostic features, enhancing user experience and decision-making by providing clear insights that support early detection and contribute to medical research.
- Created a robust deployment pipeline by serializing trained model and scaler objects, ensuring reliability with comprehensive data cleaning, standard scaling, and dataset splitting using Scikit-learn.

RepIt – Personal AI Trainer | Angular, TypeScript, HTML/CSS   **GitHub Link**
- Spearheaded the development of an AI fitness trainer using computer vision for real-time form analysis during workouts, achieving up to 90% accuracy in rep counting.
- Integrated ML5.js and Angular frameworks to create a seamless user experience with dynamic UI design in HTML, CSS, and TypeScript, enhancing user engagement and motivation.

AlohaHelp - Full Stack Donation Website | Java, Angular, TypeScript, HTML/CSS   **GitHub Link**
- Implemented an MVP with features such as authentication, needs management, and data persistence, enhancing usability for non-profit organizations and developing a robust software system within an agile team environment.
- Applied industrial-strength web application frameworks including Java, Maven, Docker, TypeScript, Angular, and REST API technologies, enabling helpers to manage funding needs and U-fund Managers to edit data efficiently.

EXTRACURRICULAR & LEADERSHIP

Google Developer Student Clubs   **Aug 2023 – Present**
Community Manager   *Rochester Institute of Technology*
- Led a dynamic community of over 400 tech enthusiasts by fostering a collaborative and inclusive environment that actively participated and engaged in tech-focused events, including workshops, hackathons, and speaker sessions.