ANEESH BUKYA

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EDUCATION

Rochester Institute of Technology   **Expected Graduation: May 2026**
Bachelor of Science in Computer Science, Honors Program, GPA: 3.8   *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: 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**
Teaching Assistant   *Remote*
- Mentored over 25 students weekly on fundamental data structures, algorithms, and problem-solving techniques, offering personalized guidance to improve their understanding and application of complex concepts.
- Assisted the course instructor in enhancing course materials and interactivity by developing engaging resources and activities, aimed at providing an effective and stimulating 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 back-end development of the help desk AI agent, leveraging AWS S3 to store and manage BART's extensive knowledge base, resulting in reducing response time from 24 hours to instant for internal inquiries.
- Implemented a React frontend with facial authentication feature using AWS Rekognition, and integrated AWS Lambda functions with Bedrock, enhancing the user experience and boosting IT task automation speed by 85%.

PROJECTS

EmpowerHR: AI-Powered HR Agents | Python, Django, CrewAI, HTML/CSS   **GitHub Link**
- Created a sophisticated Django web app with Python and CrewAI to automate candidate notes summarization, reducing processing time by 95% and efficiently managing over 20 evaluations weekly.
- 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 using Python to automate tasks and streamline processes, cutting onboarding time by 40% and improving workflow efficiency and employee integration within the organization.

Breast Cancer Diagnosis Predictor | Python, Scikit-learn, NumPy, Pandas, Streamlit   **GitHub Link**
- Developed an interactive Streamlit web app in Python for breast cancer prediction, achieving over 98% accuracy using Scikit-learn for data preprocessing with NumPy and Pandas, and deployed with scaler objects for reliability.
- 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.

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.
- Coordinated and promoted events, increasing participation by 40% through targeted outreach and communication.