ASHRIT RAM ANALA

(978)-387-5028 | ashritramanala@yahoo.com | https://www.linkedin.com/in/ashrit-ram-anala-6a73761b7/ |
https://github.com/ashrit-ram-anala

EDUCATION

Vanderbilt University   **Nashville, TN**
B.S. Computer Science   *August 2024 – July (2027)*

PROFESSIONAL EXPERIENCE

Change++   **Nashville, TN**
Developer | React, Node, Express, Typescript, MongoDB, Stripe Payments   *September 2024 – Present*
- Developed **MERN-based Typescript** app for Foster Source, national nonprofit with user base of **4,000+ Foster Families**
- Wrote **backend endpoints** and **MongoDB Schema** in Typescript for question response data
- Worked in **Agile Sprints** of 2 week intervals for iterative software improvements over time
- Creating **new LMS** for parents, defined new **MongoDB Schemas** for **payment processing**, courses, and user
- Projected increase in membership **revenue by 60%** and new family **registration by 75%** from new LMS model

Silverline Educational Advisory Services   **Remote**
Chief Technology Officer | React, OpenAI API, Python   *April 2023 – Present*
- Assembled and collaborated with 10 developers to create the website and data to **fine-tune** OpenAI model
- Oversaw **development**, **version control**, **code integration**, and dealt with **merge conflicts** for project as **CTO**
- Developed Silverline AI Chatbot tailored for user base of **5,000+ high school** students using fine-tuned data

University of Massachusetts - Lowell   **Lowell, MA**
Computer Science Research Intern | C++, CAD   *July 2022 - August 2022*
- collaborated with 2 graduate students to develop working **CAD hand exoskeleton models** published in research paper "Fabric-Embedded Dynamic Sensing for Adaptive Exoskeleton Assistance"
- Paper received an **NSF Grant Award** totaling over **$620,000**.

PROJECTS

Smart Stock   **Nashville, TN**
Developer | React + Vite, Node, Express, Flask, Sentiment Analysis, MongoDB   *September 2024 – Present*
- Developed app to provide investors with public opinion on any stock with **sentiment analysis** of **20K+ Reddit posts** per stock ticker
- Worked with 4 other developers & **oversaw merge conflicts** while programming when needed
- Sentiment tracked and graphed with **Chart.js**
- Wrote Node.js **backend** with **API Endpoints** and established connection to **Flask and React servers**
- Built for **VandyHacks XI**

Geo-Bet   **Remote**
Developer | React + Vite, Node, Express, Firebase, MongoDB, Tailwind CSS   *August 2024 – October 2024*
- Developed **Full Stack** geography quiz bowl app achieving **200+ organic users**
- Geography quiz game where Vanderbilt students can answer geography trivia questions as preparation for quiz bowls

Loan Default Predictor   **Remote**
Developer & Analyst | R, RStudio, Machine Learning   *February 2024 – April 2024*
- Used **logistic regression model** achieving **C-Statistic >0.8 (strong model indication)** with potential savings of **$1,000,000+** for dataset company when implemented
- Programmed in **R** and discusses the **full lifecycle** from cleaning to modeling to the analysis and conclusions
- Analysis found on www.mlwithashrit.org

YTSave Chrome Extension   **Remote**
Developer & Analyst | Javascript   *August 2023 – September 2023*
- Extension to aid users in the studying process by establishing bookmarks in videos with **100+ organic users** in **30+ countries**

SKILLS & INTERESTS

Programming and Development: Java, Spring, Python, Git, TypeScript, JavaScript, Node.js, Express.js, Next.js, RESTful API, React.js, Vite, Flask, MongoDB, Firebase, AWS, Postman, Machine Learning, MySQL, DaisyUI, HTML/CSS
Skills: Agile, Figma, CAD, Public Speaking, Communication
Interests: Swimming, Travel, Investing, Weightlifting, Badminton, Content Creation