

Aryan Nesti

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EXPERIENCE

Software Engineer - AI Trainer

Sep 2023 – Dec 2023

Outlier

Remote

- Contributed to training generative AI models, enhancing their ability to write efficient and effective code
- Engaged in projects focused on solving complex coding problems, writing test cases, human-readable summaries, and explanations of coding solutions to support AI model training
- Leveraged flexible work arrangements to independently manage workload and contribute to AI model training
- Played a vital role in improving the performance and capabilities of AI models

Application Developer

Sep 2023 – Dec 2023

Venture Verse

Newark, NJ

- Developed an IOS application in script using Xcode studios with a simple backend
- Enhanced the User Interface by 200% while reducing developing time by 23% creating 10 components.
- Coordinated each developer to a feature or issue properly documented using github
- Increased brand awareness by 10% using sales funnel and data collection ideas presented by AI
- Applied scrum methodology to a team of 3 developers

Software Engineer

Jan 2023 – Apr 2023

NeuroTechR3 Inc.

Newark, NJ

- Reduced lead times by 30% by using a pretrained MediaPipe hand tracking model
- Recognized 9 hand gestures with the trained hand tracking machine learning model
- Designed 2 levels with 10 obstacles using Unity design packages in C#
- Successfully launched on 82% of android devices while reconstructing the model to a Barracuda model
- Handled feedback from users which resulted in 18% increase in success rate
- Coordinated effectively in an Agile team of 5 members

PROJECTS

Natural Language Processing with Disaster Tweets | *Python, WordNetLemmatizer, GloVe, Keras, Git*

- Transformed the data using a 80/20 split of training and testing for the AI prediction model
- Utilized GloVe embedding method to match vectors with 64% phrases and words
- Removed 20% of noisy data by applying WordNetLemmatizer in the nltk library
- Hypertuned paramters with GridSearchCV for our Bert model to achieve 90% accuracy
- Predicted whether tweets were about actual disasters or slang and American wordage

Blog Webpage | *Next.js, Javascript, GitHub Pages, Sanity, Kibana, Auth0, A/B Testing*

- Developed a a GDPR-compliant blog website for reading and subscribing to blog posts
- Utilized A/B testing with Google Analytics to optimize the front end
- Performed testing with Playwright and load testing with Artillery to imitate customer needs
- Utilized Sanity for blog content management and Kibana for website statistics.
- Coordinated effectively in an Agile team of 3 members to develop a full-stack Webpage

CERTIFICATIONS

CodePath – Android Development

Certiport – Microsoft Office365

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C#, Embedded C, Typescript, JavaScript, HTML, CSS, Kotlin, Script, SQL

Web Frameworks: React, Node.js WordPress, Material-UI, FastAPI, .Net, Next.js

Data Frameworks:Pandas, NumPy, sklearn, Tensorflow, Pytorch, Keras, Langchain, Vercel AI SDK

Developer Tools: Git, Docker, Google Cloud Platform, Oracle Cloud, AWS, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Android Studio, Xcode, SQLite, MySQL, PineconeDB, OpenAI, Linux, MacOS, Windows, firmware

EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science, Minor in Mobile and Web

2020 - 2024