New York City, NY, USA
harman11524@gmail.com

Harman Aujla

https://www.linkedin.com/in/harman-aujla-48683a207/
https://github.com/haujla2391
Portfolio: https://haujla2391.github.io/Personal-Portfolio/

Work Experience

SOFTWARE ENGINEERING FELLOW	**HEADSTARTER AI**	**JULY 2024 - AUGUST 2024**
- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and microservice patterns

AI TRAINING ADVANCED CODER	**OUTLIER AI**	**MAY 2024 - PRESENT**
- Evaluated the quality and accuracy of AI-generated code, provided detailed feedback, and solved complex mathematical problems in linear algebra, probability, and advanced geometry to assess the models' problem-solving capabilities.
- Developed and implemented robust test cases to ensure the efficiency and effectiveness of AI outputs, contributing to the continuous improvement and training of cutting-edge generative AI technologies.

Education & Certificates

B.S. Computer Science	Rensselaer Polytechnic Institute	3.7	August 2023 - Present
High School Diploma	Brooklyn Technical High School	4.0	Sept 2019 - June 2023

J.P. MORGAN SOFTWARE ENGINEERING VIRTUAL EXPERIENCE ON FORAGE	June 2024
- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open-source library called Perspective to generate a live graph displaying a data feed clearly and visually appealing for traders to monitor.

Skills & Languages

Languages:	C++	Python	HTML	CSS	JavaScript	R/R Studio
Skills:	Data Structures & Algorithms	Artificial Intelligence	Research	Trend Analysis and Large Data

Projects

WORKOUT GRADER
- Developed a C++ application to track and manage workout routines, allowing users to add exercises, record sets and reps, display workout data, and save/load workout routines from a file, demonstrating proficiency in C++ programming and file handling.
- Implemented robust user input validation and error handling to ensure smooth user experience and prevent infinite loops or crashes from invalid inputs, showcasing attention to detail and problem-solving skills in software development.

YOUTUBE REPLICA
- Recreated the YouTube interface using CSS and HTML, demonstrating proficiency in CSS grid and Flexbox to create responsive layouts and ensure cross-device compatibility.
- Applied positioning techniques to accurately replicate the YouTube interface, leveraging foundational HTML and CSS skills to structure content and style elements.