JASDEEP AHLUWALIA

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EDUCATION

Univ. of Maryland-College Park, Computer Science & Statistics *Expected Graduation: Dec 2024*

Relevant Coursework: Computer Vision, Intro Computing (Python), OO Programming/Data Structures (Java), Functional Programming/Data Structures (OCaml), Advanced Linear Algebra, Computer System Organization (C/C++), Practical Tools for Data Science (SQL, Tableau, Python), Machine Bc Learning, Algorithms, Optimization, Data-Driven Web Applications.

BigTh!nkAI Artificial Intelligence Club:

- Engineered a machine learning based CNN to detect/distinguish between malicious malaria strains/cells in images using Python, Tensorflow, Keras, Seaborn, Neural Networks, and Google Collab.
- Trained neural network against a dataset of 100,000 archived images from compiled research.

Johns Hopkins BMEI, Baltimore, United States *Sept 2020 - Jan 2021*

- Modeled systems using engineering principles to solve biological, physiological, and/or medical design problems over a six-week period.

WORK EXPERIENCE jasdeepahluwalia.com

Sellerchain Inc. beta.sellerchain.com, smp-design-branch-dev.azurewebsites.net *Jun 2022 - Present*

- Led the fullstack development on an Angular .NET core app. **Fullstack Developer Intern**
- Designed and implemented efficient SQL Server database solutions, enhancing app functionality.
- Employed Modular Programming, Material Design, Angular 14, Git, and best practices to build a cutting-edge .NET core app.
- Maintained proactive communication with the startup's CEO, asset teams, and fellow developers for rapid and efficient progress.

CEO Recommendation: jasdeepahluwalia.com/files/sellerchain_recommendation

Proxyfarm proxy-farm.com *Jan 2021 - Aug 2021*

User Success: twitter.com/proxyfarm **Lead Developer**

- Constructed and designed a premium proxy service through international IP acquisition and self-taught network development.
- Utilized MongoDB to efficiently manage high-volume, low-cost orders.
- Developed a user dashboard and online storefront with React Redux and Stripe.
- Configured and implemented automation for Squid proxy servers: IP masking, IP forwarding, Traffic Filtering, User:Pass authentication, Stored Server Logs, and maintained a pool of multiple thousands of IPs.

The Bot Trade twitter.com/TheBotTrade *Jan 2021 - Sept 2021*

- Consulted for a leading software trading and cryptocurrency advisory firm, providing expert guidance to clients. **Administrator**
- Assessed client needs and delivered strategic investment recommendations for development company ventures.
- Directed a high-performing team of 10+ employees, optimizing payroll and monitoring productivity to achieve maximum efficiency.
- Established relationships with creators to create partnerships, driving member engagement and fostering long-term business growth.

PROJECTS (more at [jasdeep-showcase.vercel.app)](jasdeep-showcase.vercel.app)

Hash Automation Demo: youtube.com/watch?v=v_RfGE2vPys *Jan 2022 - May 2022*

- Designed and implemented AI algorithms that optimize the minting process in an Ethereum & Solana NFT bot.
- Employed machine learning techniques to continuously improve the bot's decision-making and adaptability.
- Integrated AWS S3 and a fully on-chain authentication system to secure user data across Mac, Windows, and Linux.
- Crafted an aesthetic and intuitive frontend using React and TailwindCSS.
- Led a successful alpha period with over 50 users.

AlgoTrader github.com/ahluwalij/AlgoTrader *Dec 2022 - Jan 2023*

- Employed Numpy and Pandas to analyze 5 years of stock and cryptocurrency data.
- Built a Flask API for seamless integration into market chart services.
- Optimized trading strategies, reduced human error, and maximized returns in a dynamic financial landscape.

TECHNICAL SKILLS

Core Skills:	Python, Java, JavaScript, Databases, Rust, Golang, OCaml, Ruby, C, and Git
Backend:	SQL, MongoDB, Express, Flask, .NET(familiar)
Frontend:	React, Angular, Tailwind CSS, Material Design/UI, SCSS, Figma
Certifications:	AWS Certified Cloud Practitioner