Jasdeep Ahluwalia

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EDUCATION

University of Maryland, College Park
Aug. 2021 – May 2025

Bachelor of Science in Computer Science, Minor in Statistics   *College Park, MD*

- **Related Coursework**: OOP (Java), Data Structures and Algorithms, AI/ML, Data Science (SQL, Python, NumPy, Pandas), Software Engineering, Web Applications (Angular), Computer Systems (C++), Databases

Alpha Kappa Psi Professional Fraternity
Nov 2022 – May 2023

Technology Chair   *College Park, MD*

- **Reduced load times by 35%** by revamping a system for managing fraternity's users using Java & PostGreSQL.
- **Led 18 meetings** for technical current events, improving collaboration & communication skills for others.

EXPERIENCE

Michelin Tires
May 2023 – Aug. 2023

Software Engineering Intern   *Greenville, SC*

- **Changed how 1000's of employees retrieve data** by enabling non-SQL searches on the Data Lake (CDL); accomplished by integrating a GPT-3.5 NLP Deep Learning model on an AI Chatbot with 2 AI/ML engineers.
- **Achieved an 8x speed up** in data retrieval by improving an Azure data pipeline's efficiency for a Power BI App.
- Constructed a client-facing tire sales API using Python, SQL, Java, Apache Spark, and Spring Boot.
- **Placed 5th out of 107 teams** in a ML hackathon, utilizing Python and Databricks for predictive modeling.

Sellerchain Inc.
Jun. 2022 – Jul. 2023

Software Engineering Intern   *Brooklyn, NY*

- **Led development** on an Angular TypeScript Amazon app resulting in a 40% seller conversion in 3 months.
- **Saved $1000+ monthly** by migrating a tracker's backend to Amazon Web Services REST APIs & AWS S3.
- Improved **over 30,000 lines of code** & **15 product features** by collaborating in an agile workflow.
- Eliminated 25 hours of weekly tracking by migrating a shipment database (C++, MongoDB and SQL).

Proxyfarm
Jan. 2021 – Aug. 2021

Founding Software Engineer   *Queens, NY*

- Implemented a back-end infrastructure for a proxy service with **100+ monthly users and 10,000+ IPs**.
- **Removed 100% of manual order tracking** by validating & processing orders using SQL & MongoDB.
- Developed user and employee dashboards by applying proficiency in NodeJS, React, Redux, CSS, and HTML.
- Achieved a **99.9% uptime** demonstrating knowledge of system reliability concepts.

PROJECTS

PlatePlanner - Meal Plan Generator | *Python, SQL, React, NodeJS, JavaScript*
May 2023

- Developed a meal planner with **over 10 5-star reviews** & a relational database (MySQL & AWS RDS) backend.
- **Reduced 60%(1.66x speed up)** of requests using REST APIs and caching (Redux).

Hash Automation - AI Blockchain App | *PyTorch, Python, C++, React, SQL*
Jun. 2022 – Jan. 2023

- Built a bot with over **$200,000 in volume** with Python, PyTorch, & Apache Storm & real-time data processing.
- **Managed hundreds of users** with **0 security issues** in 8 months; Used AWS S3 and C++ for authentication.

AlgoTrader - Algorithm Trading Tool | *Python, Pandas, Flask, APIs*
Jan. 2022 – Apr. 2022

- Removed 100% of human error in trading by integrating visual backtesting & algorithms like Mean Reversion.
- Implemented support for **98 currency exchanges**; using CCXT and a Flask API.

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, C++, HTML/CSS, TypeScript
Tools & Frameworks: Angular, React, MySQL, Node.js, Git/GitLab, Docker, Spring Boot, Flask
Services & Libraries: Apache Spark, PyTorch, Azure CDL, AWS Cloud Practitioner, AWS RDS, Pandas