

Umang Jain

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Education

University of Maryland

BS in Computer Science; Presidential Scholar; GPA: 3.7/4.0

College Park, MD

Aug 2021 - May 2025

Thomas Jefferson HS for Science and Technology

Advanced Studies Jefferson Honors Diploma; GPA: 4.3/4.0, SAT: 1550

Alexandria, VA

Aug 2017 - Jun 2021

Professional Experience

Capital One

APM Intern for AI/ML

McLean, VA

Jun 2024 - Present

- Streamlined namespace quota requests for MLX platform reducing delay for users by 80% saving 16.3k hrs/yr
- Shipped user centric MVP to closed beta with new API, DynamoDB, and UI, with a roadmap for 98% migration
- Integrated 2 new LLMs to GenAI Sandbox platform to enable additional use cases for teams across enterprise

Workday Inc.

Machine Learning Engineer Intern

Pleasanton, CA

May 2023 - August 2023

- Engineered an IsolationForest ML model for fraud detection in Splunk logs capturing 15% more anomalies
- Built 9 baselines and entity relationships based on user behavior experiments to increase model accuracy by 35%
- Utilized AWS services to ingest and process data into OCSF and Parquet format reducing verification time by 20%

Additional Experience

Startup Shell

Director of Partnerships

Jun 2023 - Jun 2024

- Grew endowment fund by \$50k and raised \$20k in operational funds for 60+ ventures in the student-run incubator
- Negotiated key partnerships with Red Bull, Jump Trading, Latham & Watkins, Contrary, M&T Bank, and more
- Maintained relationships with stakeholders including venture capital firms, university partners, and alumni

Hack4Impact

Full Stack Engineer

Sep 2022 - Present

- Developed an event planning portal for 500+ members of a non-profit client using React, Express, and Make
- Reduced user overhead by 60% through integrated Airtable fetches, automated workflows, and Twilio messaging
- Improved mobile responsiveness and push notification system to increase total user adoption by 300%

PROJECTS

- **Opioid Overdose Prevention System (Patent Pending):** Developed a novel device aimed to prevent opioid addiction and overdose with a secure pill dispenser, health band, and smartphone app.
- **YJA Mobile App (App Dev):** Enhanced an app for a non-profit org using React-native and JS. Implemented REST APIs, local push notifications, and Stripe payment.
- **FashionFlipped (Web Dev):** Built a website with MERN stack and OpenAI to determine the best thrifted clothes for user based on their fashion style.
- **Othello/Sudoku/Tic-Tac-Toe/Crossword (ML/AI):** Developed an AI to intelligently play against user by implementing algorithms like Alpha Beta pruning, mini-max, Dijkstra and Backtracking in Python.

SKILLS SUMMARY

- **Programming:** Java, C++, Python, C, Ruby, SQL, React, TypeScript, JavaScript, MATLAB, Swift, Kotlin, REST, Flutter
- **Other/Tools:** AWS, Git, MongoDB, Kubernetes, Flask OpenCV, Figma, Adobe, Canva
- **Languages:** English, German, Rajasthani, Hindi, Telugu

HONORS AND AWARDS

Global Conrad Innovation Challenge Winner, 2x FIRST Robotics World Championship, Taco Bell Live Más Scholarship Recipient, HackTJ – Best Hack Winner, National Academic Decathlon - 5th place