

Aryaman Kumar

New Brunswick, NJ | (732) 522-6659 | aryaman704@gmail.com | [linkedin.com/in/aryaman-kumar7](https://www.linkedin.com/in/aryaman-kumar7) | <https://github.com/aryaman103>

EDUCATION

Rutgers University-New Brunswick

New Brunswick, NJ

BS. Computer Science, Minor in Mathematics and Economics

May 2026

- **GPA: 3.6**

- **Honors:** Dean's List Scholar, Indian Certificate of Secondary Examination, Best Delegate - Model United Nations

PROFESSIONAL EXPERIENCE

Tech Mahindra Limited

Redmond, WA

Machine Learning Intern

June 2024 – August 2024

- Boosted precision by 30% by developing a 4-bit SLM using Meta Llama 3.1-8B, fine-tuned to analyze agent behavior records
- Quantized the 8 billion parameter model using BitsandBytes NF4, fine-tuned with QLoRA, including ROUGE metric evals
- Created a 10-page guide on how to use IBM InstructLab for development, focusing on handling large data and text generation

Startery LLP - Healos Inc

Princeton, NJ

Consultant

June 2024 - August 2024

- Streamlined business analytics for a healthcare fintech company, focusing on incentives to reduce healthcare costs for patients
- Conducted 10+ interviews with industry professionals, gathering data for predictive modeling in reducing healthcare costs
- Founded 2 new ventures targeting sustainability in the fashion industry to reduce the wastage of materials in all process stages

Fidelis Animal Health via Rutgers MBS Externship Exchange Program

New Brunswick, NJ

Data Analytics Extern

January 2024 – April 2024

- Analyzed 15,000 contacts to gauge customer trends, creating personalized emails based on preferences, demographics, tastes
- Boosted engagement by 20%, resulting in an increase in customer retention and a 30% increase in email engagement clicks
- Presented findings and strategic recommendations to senior advisors, managing key tasks, deadlines, and weekly deliverables

Firstsource Solutions

Mumbai, India

Data Analytics Intern

June 2023 – August 2023

- Boosted data output by 12% by developing a research automation application, integrating APIs for prompt-based interactions
- Implemented a 3 layer data restructuring mechanism within the application to optimize the information organization process
- Enhanced contacts by 15% using data-driven insights to identify market trends and customer preferences, raising reliability

LEADERSHIP EXPERIENCE

Rutgers Entrepreneurial Society (RES)

New Brunswick, NJ

Executive Board Member

October 2023 – Present

- Handled a \$200,000 Federal grant to launch a VC firm, aiming to empower non-ivy startup founders with strategic support
- Participated in RES Shark Tank and won the prototype engineering round for the food sustainability application - Muncheez

Space Technology Association at Rutgers (STAR)

Piscataway, NJ

Technical Lead

January 2023 – Present

- Boosted accuracy by 40% in post-flight analysis by engineering an Arduino-based sensor system for real-time data collection
- Tracked and analyzed atmospheric fluctuations over 4 million seconds and 2 million Pa in the NY tri-state area during spring

UPitch New Jersey - Meezy

New Brunswick, NJ

Project Lead

January 2024 – March 2024

- Curated a student financing and budgeting app using Python and HTML, incorporating feedback for user-specific features
- Specially invited to participate in the prototype division following outstanding ideas and presentations at Rutgers DFA

PROJECT EXPERIENCE

Hewlett Packard Corporate Venture Capital and Business Analytics Externship

- Conducted market analysis to identify emerging trends and key opportunities for growth in the AI productivity tools market
- Sourced a startup aligned with the organization's investment thesis, preparing a summary highlighting its growth potential

Easy A x VeChain Hackathon - Harvard University

- Created a decentralized application on the VeChain Thor blockchain to promote sustainability using Python and JavaScript
- Incentivized users by implementing an X-to-earn model by rewarding users with VeChain cryptocurrency and other tokens

Wakefern - HackRU

- Leveraged Streamlit within Python to build a wrapper around ChatGPTs API provided by Wakefern for a meal plan system
- Generated a full-week meal plan for students on a budget after feeding the program ingredients, prices, and the necessary data

SKILLS, CERTIFICATIONS, CLUBS

Skills: Languages - English, Hindi, Spanish, Exploratory Data Analysis, Business Analytics, Regression analysis, Statistical Analysis, Machine Learning, Python(*Advanced*), Java(*Intermediate*), C, HTML, CSS, JavaScript, SQL, Git, Power BI, Tableau, R

Frameworks: Pandas, Numpy, QLoRA, React.js, Node.js, Streamlit, TensorFlow, PyTorch, Bootstrap, Langchain

Clubs: Founding Class @ Alpha Kappa Psi Professional Business Fraternity, Undergraduate Alliance of Computer Scientists (USACS), Rutgers Entrepreneurial Society(RES), Business and Information Technology Society(BITS), Rutgers STAR

Interests: Soccer, Weightlifting, Writing, Public Speaking, Technology, Guitar, Photography