

# Rutvik Bairavarasu Rau

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## EDUCATION

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**Columbia University, Columbia College**

*Economics and Computer Science*

**GPA: 4.07/4.0- Dean's List**

*Relevant Coursework: Introduction to Computer Science and programming in java, Multivariable Calculus, CS50 (Harvard), Game Theory (Stanford) Machine Learning (Stanford, Ongoing)*

**Raffles Institution, Singapore**

*Relevant Coursework: Economics, Mathematics, Physics, Chemistry, English, Project Work*

New York City, NY

2020 – 2024

2014 - 2018

## PROFESSIONAL EXPERIENCE

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**Drona Tech, Founder, India**

January 2020 - Present

- Building a shared education network to facilitate the transfer of knowledge
- User and market research speaking with over 50 teachers in 10 different towns in India
- Gained interest from 5 Investors for funding opportunities. Currently in talks for a 100k round
- Implementing gamification and AI-driven computational design to ensure interactive learning.
- Exposure to different roles and skill required for research, marketing, product management, ideation, and analysis

**PayPal, Innovation Lab Intern, Singapore**

March 2019 - April 2019

- Planned innovation lab visits, showcasing new and upcoming developments at PayPal.
- Brainstormed events to bring Augmented reality and Virtual reality to the innovation lab showcase.
- Worked on the one-touch pay demonstration at the innovation lab
- Managed team meetings and workflows to deliver weekly objectives to the innovation lab team.

**NuoNetwork, White paper research intern, Mumbai, India**

August 2019 - October 2019

- Blockchain startup offering lending, borrowing, and margin trading for crypto assets.
- Read through over 10 Crypto WhitePapers to understand requirements
- Wrote Nuo V3 White Paper which was used as a platform manual
- Deep dive into blockchain and cryptocurrency through first-hand experience.

## ACTIVITIES AND ACHIEVEMENTS

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### Squash Achievements:

- Indian Junior Nationals U19- **Runners Up**
- Asian Junior Individuals U19- **5th Place**
- Indian Senior Men's National- **Quarter-Finalist**
- Columbia University- **Men's Varsity Squash Team**

## PROJECTS

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*Drona Tech MVP:* Workflow prototype for investors and teacher demonstrations. Used for market feedback and analysis.

*Poker:* Program in Java to play games of Video Poker (5 Card Draw).

*Game Theory Optimization:* Program in Java to find optimal game theory thresholds for OddEven game.

*Filter:* Algorithm to manipulate pixels and transform a picture through a variety of filters.

## SKILLS AND INTERESTS

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- *Computer Science:* Java, Python, C Programming, Data Structures, Algorithms
- *Machine Learning:* Octave, Python (basic)
- *Economics, Developmental economics, Game Theory, Behavioral Theory*
- *Ed-Tech*
- *Investing/Trading*
- *Language Skills:* English, Hindi, Gujarati, and Marathi

