

Rutvik Bairavarasu Rau

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EDUCATION

Columbia University, Columbia College

New York, NY

Bachelor of Arts in Computer Science and *Bachelor of Arts* in Economics

Expected May 2024

GPA: 3.99/4.0, Dean's List Fall '20, Dean's List Spring '21

Relevant Coursework: Advanced Programming (C), Data Structures & Algorithms in Java, Introduction to Computer Science and Programming in Java, Discrete Math, Multivariable Calculus, Calculus-Based Statistics

SKILLS

Computer Science: Java, Python, C, Systems Programming, Object Oriented Programming, JavaScript, React, HTML/CSS, R
Economics, Game Theory, Behavioral Theory, Finance, Investing, Cryptocurrency
Language: English, Hindi, Marathi and Gujarati

PROFESSIONAL EXPERIENCE

Rayo, Software Engineering Intern, Neo-Banking, Virtual (New York)

June 2021 - September 2021

- Designed, built, and implemented frameworks in **Python** for complex distributed systems, such as KYC integration, onboarding and security verification as part of the backend team of 6.
- Reduced redundancies and improved code efficiency by 25% by debugging and troubleshooting frameworks

Columbia University, Research Assistant, Complex Resilient Systems Lab, New York

January 2021 - March 2021

- Collaborated with peers in teams of 2 to implement computational algorithms in **Python**, quantify efficiency and robustness of various graph networks to model agent based fair income distribution
- Analyzed simulations of Economic patterns through addition and removal of graph edges and nodes while observing changes to efficiency and robustness
- Saved 100+ hours of labor by creating computational rather than analytical model for efficiency and robustness

Drona Tech, Founder, India

January 2020 - December 2020

- Managed a 8-member cross-functional (product, engineering, content) team coordinating with 3 business partners towards the successful implementation of the product
- Led startup pitches relating to seed funding with Angel Investors and VC's, in talks of a 50k seed round
- Evaluated extensive user and market research, speaking with over 50 teachers in 10 different towns in India to understand product requirements and needs for creation of technical PRD

Nuo Network, White Paper Research Intern, Mumbai, India

August 2019 - October 2019

- Authored the 20-page White paper, collaborating with various team to include product thesis, product roadmap and smart contracts (Self- executing contract) in order to allow easier 3rd party integration with platform
- Examined blockchain companies and 15+ white papers to understand terminology and offer an industry review

PayPal, Innovation Lab Intern, Singapore

March 2019 - April 2019

- Brainstormed event ideas including implementation of AR/VR as part of lab showcase to increase interactivity
- Launched new product idea to target schools and junior colleges, increasing targetable audience by 25%

PROJECTS

Remcol, DefHacks '20 Hackathon:

- Google COVID Hackathon Fund Winners (Further guidance from Google along with a Google PM as part of the team), Advanced Track Winners and Most Growth Potential Winners.
- Developed web-based platform to facilitate real-time collaboration between students and teachers. Using **React, Java Script, HTML/CSS**
- Collaborative white board with image to text conversion using **Google Cloud Platform**
- Lead Product Manager for a team of 4, facilitating ideation, building the required specs along with technical PRD

EXTRACURRICULAR ACTIVITIES

Columbia Men's Squash Varsity

- Committed 20 hours a week of training in Practice sessions, Strength and Conditioning over the past 8 years.
- Achievements: Top 5 in Asia for U19, 2nd at Indian Junior Nationals U19, 1st in Singapore