

# RIO KUCHLYAN

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## EDUCATION

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**University of North Carolina at Chapel Hill, Kenan-Flagler Business School** Chapel Hill, NC  
*B.S. Business Administration (Finance), B.S. Computer Science* May 2028  
• GPA: 3.81 (Dean's List 2x), TechX, Carolina Global Launch (First semester study abroad program at Stirling, Scotland)

## PROFESSIONAL EXPERIENCE

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**Capital One** McLean, VA  
*Incoming Summer Business Analyst* June 2026 – August 2026  
• Selected for the 2026 Analyst Early Internship Program (AEIP) to develop business analytics and product strategy skills

**Star Course Holdings** Charlotte, NC  
*Private Equity Intern* April 2025 – January 2026  
• Sourcing and qualifying 300+ NC based businesses, yielding industry-leading response rates (10%; 2x industry average)  
• Authoring 3 investment memos for deals totaling \$25M+ in enterprise value, advancing multiple targets to due diligence  
• Scaling daily lead outreach by 2.25x (20 to 45 leads/day) by developing automated LLM-powered qualification systems  
• Conducting due diligence on 10+ healthcare, SaaS, and B2B targets (\$5-25M revenue), including analysis and modeling  
• Building and stress-testing financial models (DCF, LBO, CCA) to forecast IRR, EBITDA, and cash flow for acquisitions

**Swing Phi** Remote  
*Software Engineer Intern* April 2025 – August 2025  
• Engineered real-time data pipelines integrating 5+ financial APIs (Polygon, Alpha Vantage, SEC) for equities and crypto  
• Developed and engineered 20 internal API endpoints for equity trading platforms, serving as the lead backend developer  
• Reduced API latency by 35% (250ms to 160ms avg) across 7 core routes through database query and logic optimization  
• Decreased data processing time by 65% by enhancing core business logic and implementing Django-based data pipelines  
• Deployed OpenAI and Anthropic powered AI models on Microsoft Azure to parse SEC filings and create trade decisions

## LEADERSHIP AND INVOLVEMENT

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**VisuAlize** Chapel Hill, NC  
*Lead Developer* February 2025 – Present  
• Built an AI-powered equity analysis and company valuation platform processing 100+ user requests and queries per day  
• Automated modeling by parsing SEC 10-K filings via OpenAI APIs, generating valuations (DCF) for 100+ corporations  
• Engineered interactive charts and sentiment-based word clouds through D3.js, rendering complex financial visualizations  
• Leveraged Supabase to manage and authenticate 50+ users, reinforcing security through two factor authentication (2FA)

**Visual Computing and Augmented Intelligence Lab** Chapel Hill, NC  
*Research Assistant* January 2025 – Present  
• Architected an efficient algebraic algorithm optimizing optical lens parameters, bypassing heavy ray tracing alternatives  
• Spearheaded commercialization of the algorithm into enterprise frameworks tailored for specialized AI detection projects  
• Building ML pipelines using LangChain and PyTorch to process visual computing datasets for ongoing research projects

**Scholars of Finance** Chapel Hill, NC  
*Associate* January 2025 – Present  
• Selected for the 8-week Recruitment Bootcamp, mastering technical concepts and valuation methodologies (DCF, LBO)  
• Completed the 7-week Leadership Development Program, analyzing ethical business case studies with industry mentors  
• Engaged in weekly symposiums to analyze real-world financial dilemmas, refining public speaking and critical thinking

## HONORS AND AWARDS

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**UNC PIT Journal, Shark Tank Pitch Winner** March 2025  
• 1st place among 6 teams; pitched a sustainable tea product business partnership to a panel of entrepreneurs and investors

**Resolution Honoring Student Representative** June 2024  
• Recognized through a Board of Education resolution for distinguished service in school policy, advocacy, and leadership

## SKILLS AND INTERESTS

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- **Technical:** Financial Modeling (DCF, LBO, CCA), Tableau, R, Python (pandas, numpy), SQL, AWS, Azure, JavaScript
- **Interests:** Golf, Horology, Traveling, Photography, Global Films, Weightlifting, Native Hindi & Bengali, Conv. French