

# KUSHAGRA SHUKLA

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## Professional Summary

2nd year Computer science student at Dayananda Sagar College contributing to AI regulation research and textbook content. Gained experience through fintech internships at Binance and CocoMoco Kids, with recognition in Asia FinTech Globals and Indian FinTech Olympiad competitions.

## Education

**Dayananda Sagar College of Engineering, Bangalore**

**2023 - 2027**

*B.E in Computer Science & Engineering*

*9/10 CGPA*

## Work Experience

**CocoMoco Kids**

**April 2024 – September 2024**

*Financial Managing Intern*

*Remote*

- Cocomoco Kids is a leading brand that creates innovative educational games and toys designed to make learning fun and engaging for children.

**Binance**

**October 2023 – March 2024**

*Finance Content Writer and Support*

*Remote*

- Binance is the largest cryptocurrency exchange by trading volume, serving 185M+ users across 180+ countries. Posted educational content for **Binance Academy** on twitter and took responsibility of interacting with potential customers and resolving their queries related to Cryptocurrency.

## Technical Projects

**SHAP Analysis on Tabular Data (Explainable AI)**

**[Notebook]**

- Used SHAP to interpret an XGBoost model predicting loan creditworthiness based on income, credit score, and loan details. Explained how AI models decide on loan approvals or rejections.

**SuperAble**

**[GitHub] [Live Site]**

- Built a tool to help individuals with disabilities communicate more easily through tailored interaction modes, promoting inclusivity and accessibility.

**E-commerce Customer Behavior Analysis**

**[GitHub] [Report]**

- Analyzed customer behavior and spending patterns; identified customer retention as the top revenue driver using statistical modeling.

**Advanced E-commerce Revenue Modeling**

**[GitHub] [Report]**

- Performed regression analysis with R-squared, p-values, and F-statistics to model revenue impact and evaluate predictor strength.

## Academic Projects

**Explainable AI for Stress Testing & Central Bank Policy Simulations**

**[Proposal]**

- Proposed a framework using Explainable AI to simulate central bank responses and financial stress testing scenarios.
- Submitted as part of NUS Singapore's Summer Research Internship (SRI) application; progressed to Round 3.

**Regulatory Impact Assessment of the National AI Marketplace of India**

**[Research Paper]**

- Analyzed international AI laws to propose regulatory improvements for India's National AI Marketplace in the context of innovation and national security.

**The Promise of AI and Related Technologies**

**[Chapter]**

- Co-authored a textbook chapter on AI's role in industry-wide transformation, emphasizing ethical concerns and efficiency across supply chain, healthcare, and media.

## Technical Skills

- **Languages:** Python, JavaScript, C, C++, SQL
- **Machine Learning:** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, SHAP, LIME

## Honours and Awards

**FinTech Globals**

**October 2024**

*Asia Rank 21*

*India FinTech Forum*

- Secured Asia Rank 21 after 5 rounds of finance-based competitions conducted by FinTech Globals.

**Indian FinTech Olympiad**

**October 2023**

*National Rank 8*

*India FinTech Forum*

- Achieved AIR 8 in the final stage of the competition held in Mumbai, where the top **50 of 60,000** students participated in a finance-based quiz.