Ujjawal Patel

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EDUCATION

Texas A&M University, Mays Business School　　　　　　　　　　　　　　　　　College Station, Texas
Master of Science in Management Information Systems　　　　　　　　　　　　　　　　　　May 2027

K.J. Somaiya College of Engineering　　　　　　　　　　　　　　　　　　　　Mumbai, Maharashtra
Bachelor of Technology in Computer Engineering　　　　　　　　　　　　　　　　　　　　May 2025
Honors degree in Cybersecurity, Forensics, and Cyber Laws.

EXPERIENCE

ESPS Capital Advisors
Business Analyst Intern　　　　　　　　　　　　　　　　　　　　　　January 2025 – June 2025
- Engineered a comprehensive investment product catalog using **MS Excel** and **financial modeling**, streamlining client portfolio recommendations across various asset classes, achieving about 40% diversified portfolios.
- Developed derivatives algorithmic trading strategies/indicators using **Pine Script** and **Python,** along with risk management protocols, reducing manual research time by 50 minutes and improving trade signal accuracy and price-action forecasting.
- Researched on enterprise-level algorithms using **Python** for pair trading strategies, executing automated long/short positions based on price gap analysis between correlated securities, increasing the profitability of the trades in a particular sector.

DeepCytes Cyberlabs (UK)
Forensic Analyst Intern　　　　　　　　　　　　　　　　　　　　June 2024 – December 2024
- Contributed to an integrated forensic toolkit for **digital bug detection** by bash scripting, improving investigation efficiency by 35% while implementing process documentation and security control procedures.
- Devised counter-surveillance techniques and checklists to be leveraged during on-site evaluations, along with a user manual for counter-surveillance tools.
- Designed hardware solution for **juice jacking attack** prevention through research and stakeholder collaboration, resulting in a field-deployable prototype and enhanced security measures.

K.J. Somaiya College of Engineering
Application Developer Intern, Computer Engineering Department　　　　　　January 2023 – March 2023
- Programmed an application with Android Studio for the 'Medical Information Collector' project.
- Designed a feature to collect and order unused medicine using XML and assisted in designing user-friendly interfaces using Figma, considering various **UX aspects.**

PROJECTS

Financial Investment Advisory Portal
- Designed and delivered a web portal that reduced users' investment research time by matching them with tailored products based on risk, goals, tenure, age, and spending patterns. Led market and user research to define parameters for a recommendation engine, and managed end-to-end project execution—ensuring an intuitive UX and actionable investment insights.

SKILLS & INTERESTS

Programming: Java, C, HTML, CSS, Python | **Database**: SQL | **Software:** MS Excel, Power BI, PowerPoint, Figma.
Cybersecurity Tools: Kali Linux, Wireshark, Network Miner, Meterpreter.
Certifications: Google UX Design Professional Certificate, Project Initiation: Starting a Successful Project (Google), Foundations of Project Management (Google), Project Planning: Putting It All Together (Google), Bloomberg Market Concepts Certification.
Soft skills: Logical reasoning, Learning Agility, Collaboration, User Stories, Verbal Communication, Competitive analysis, Confidence under Pressure, Decision-making, and Analytical thinking.
Interests: Algorithmic trading**,** Derivatives trading, Strategies Development, Financial Reporting, Product development, Financial Markets, Portfolio Management, and Tech-driven innovation.

LEADERSHIP & INVOLVEMENT

Event Coordinator, Sports Council, K.J. Somaiya College of Engineering
- Managed logistics and scheduling for a major sports event, hosting approximately 13 sports categories while coordinating equipment and ensuring team safety for each game.
- Oversaw security arrangements in collaboration with a team of 20 students and 3 faculty guides.