

MIDHUN NATH K R

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Professional Summary

Product-focused Computer Science student with proven expertise in **quality analysis, user experience validation, and data-driven product insights**. Demonstrated ability to decode product visions into real-world testing scenarios, identify usability gaps, and champion quality through systematic exploration across web and mobile platforms. Exceptional track record of **translating user research into actionable product improvements** while collaborating cross-functionally with diverse teams. Self-motivated analytical thinker with strong curiosity for digital product interactions and proven ability to spot anomalies others miss.

Projects

AI-Powered Identity Verification System | Product Quality & User Experience Champion:

- **Extensive Product Research:** Conducted 40+ in-depth interviews with banking professionals and fintech executives to identify critical pain points and user journeys in identity verification workflows.
- **Competitive & Market Analysis:** Analyzed 35+ identity verification solutions to create detailed competitor feature matrices, identifying a \$25M market gap in affordable enterprise solutions.
- **Data-Driven Requirements:** Contributed significantly to an 85-page Product Requirements Document (PRD) by analyzing user interview data to define 45+ detailed user stories and acceptance criteria.
- **Cross-functional Collaboration:** Collaborated within a diverse team of 8, providing data-driven insights that informed sprint planning and feature prioritization in an Agile environment.
- **Advanced Analytics Implementation:** Built a real-time analytics dashboard tracking 15+ KPIs including verification success rates and user drop-off points using Python, SQL, and Tableau, achieving 94% document authenticity detection.
- **Business Impact Modeling:** Created detailed financial projections demonstrating potential \$18M annual fraud prevention value for mid-size NBFCs, presenting ROI analysis to 5 industry stakeholders.

Optimizing Manufacturing Supply Chains with AI:

- **Market Research & Validation:** Surveyed 120+ cryptocurrency exchange users and conducted 25 expert interviews to understand fraud patterns and prevention gaps, validating a \$15M market opportunity.
- **Data-Driven Insights:** Analyzed cryptocurrency transactions using Python and advanced statistical methods, identifying 12 key fraud indicators with 91% prediction accuracy and a 0.4% false positive rate.
- **System Stakeholder Communication:** Created compelling presentation decks for technical and business audiences, presenting analytical findings at university symposiums and receiving recognition for innovation.

Skills

Product Analysis : Product Research • Requirements Analysis • User Journey Mapping • Competitive Analysis • Data Analysis • A/B Testing • Usability Testing

Technical Skills: SQL • Python • Tableau • Google Analytics • Microsoft Office Suite (Advanced Excel, PowerPoint) • Figma • Jira • Confluence

Tools & Platforms: Tableau, Microsoft Power BI, Microsoft Visio, Lucidchart, JIRA, Trello

Methodologies: Agile & Scrum Framework • Software Development Life Cycle (SDLC) • Waterfall Model

Soft Skills: Strategic Thinking • Analytical Problem-Solving • Stakeholder Communication • Presentation Skills • Team Collaboration • Detail-Oriented.

Education

Vellore Institute of Technology

- Computer Science spec in AI & ML | CGPA: **8.6**

2022 - 2026

(expected)

St Antonys' Public School Kerala

- CBSE (Class XII), Percentage: **82%**

2019 - 2021

Arya Central School Pattom

- CBSE(Class X), Percentage: **95%**

2018-2019

Positions of Responsibility

VIT Bhopal / Finance Club | Core member

- Initiated and led weekly 'Market Pulse' discussions within the university club, presenting research on current events to an audience of 50+ fellow students to foster a campus-wide dialogue on financial markets.
- Mentored junior students on foundational financial analysis, improving their ability to contribute to club projects.