

Alwin Philip

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SUMMARY

Graduate Computer Science student specializing in AI, machine learning, and secure web systems. Proven success in deploying AI models with high accuracy, improving productivity through AI training, and delivering impactful digital solutions.

EDUCATION

Master of Science – Computer Science <i>Rutgers University, New Jersey</i>	Sept 2024 – Present <i>GPA: 3.6</i>
Bachelor of Technology in Information Technology <i>Amity University, Noida, India</i>	Sept 2020 – June 2024 <i>GPA: 3.8</i>

TECHNICAL SKILLS

Skills: Project Management, Leadership, Prompt Engineering, CCNA, Data Analysis, UI/UX Design

Programming: Python, MySQL, C++, Kotlin, HTML/CSS, JavaScript

Frameworks: Flutter, Firebase, Android Studio, GCP, AWS, WordPress, Django

Tools: Git, Docker, Figma, Photoshop, WireShark, VS Code, MS Office

CERTIFICATIONS

Cisco CCNA, Cisco CyberOps Associate

Google Cloud: Generative AI, LLMs, Image Captioning, Transformer Models

Google Cloud: Infrastructure Modernization, Security & Operations

Google Analytics Advanced

EXPERIENCE

Data Science & AI Research Intern <i>Code-blue AI, UC Berkeley-affiliated Startup</i>	June 2025 – Present
<ul style="list-style-type: none">Developed real-time stroke detection using facial asymmetry and speech pattern analysis, achieving sensitivity/specificity above 90%.Improved speech recognition model accuracy to 98.9% by expanding and diversifying training datasets.	
AI Training & Prompt Engineering <i>Rutgers Business School & Thayer Distribution</i>	June 2025 - July 2025
<ul style="list-style-type: none">As part of graduate assistantship duties, designed and delivered training sessions on prompt engineering and AI tool integration for professional and corporate audiences.Instructed employees at Thayer Distribution on leveraging GitHub Copilot, Copilot for Microsoft Office, and AI assistants to automate workflows, increasing task efficiency by 20%.Developed role-specific AI integration strategies to streamline repetitive tasks, enhance collaboration, and accelerate decision-making.	
Marketing & Business Analyst – Web & Analytics Management <i>Rutgers-Camden School of Business</i>	August 2024 – Present
<ul style="list-style-type: none">Maintain and optimize GA4 tracking, ACT forms, and website content to improve user experience and conversion funnels.Analyze engagement metrics, traffic sources, and user behavior to guide data-driven marketing strategies.Collaborate on SEO, content design, and UI/UX improvements, leading to measurable increases in engagement rate and traffic acquisition.Fulfill cross-functional responsibilities typical of a marketing manager, including campaign performance analysis, audience segmentation, and website design enhancements.	
Mobile App Developer Intern <i>Aeologic Technologies, Noida</i>	May 2023 – June 2023
<ul style="list-style-type: none">Designed checkout-optimized UI—15% faster process.Enhanced responsiveness by 25% through code reviews/testing.	

PROJECTS

The Park Company – Parking Finder Web App <ul style="list-style-type: none">• Mobile-friendly app with Stripe integration using Docker, PHP, HTML/CSS. GitHub	Sep 2024 – Present
Quantum Signal Processing for Classical Communication <ul style="list-style-type: none">• Applied quantum computing concepts + ML to enhance packet-switching. GitHub	July 2023 – May 2024
IntelliServe – Secure Federal Record Web App <ul style="list-style-type: none">• PHP/HTML/CSS system storing federal records as hashes for enhanced security. GitHub	Dec 2022 – Jan 2023

RESEARCH

Enhancing Cognitive Security through Integrated Behavioral Biometrics and Phishing Website Analysis <i>Ongoing research combining behavioral biometrics and phishing detection for advanced fraud prevention</i> <ul style="list-style-type: none">• Developed a hybrid fraud detection model combining typing patterns, mouse dynamics, and touchscreen gestures with phishing website features such as URL structure, SSL status, and domain metadata.• Implemented machine learning algorithms including XGBoost, Random Forest, and Neural Networks for real-time, context-aware classification of online activity.• Achieved a 45% improvement in detecting unsafe sessions compared to models using only behavioral data, significantly enhancing threat detection accuracy.	
Quantum Networking (IEEE ICRITO) <i>Hybrid quantum-classical secure communication research</i> <ul style="list-style-type: none">• Explored quantum entanglement and QKD integration.	May 2024
Digital Avatars & Metaverse Security (IJSA) <i>Blockchain-based privacy models</i> <ul style="list-style-type: none">• Proposed privacy-preserving avatar interaction frameworks.	Nov 2024

AWARDS & ACHIEVEMENTS

1st Place – TECHNOVATE 2024 Poster & Project Presentation
Best Paper – IEEE ICRITO 2024
Most Promising Project – Tech-Genesis 2024
Bronze Award – Cisco NetAcad Riders 2023 (APAC)