

Pranav H

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AI Engineer (QA & Automation) specializing in Agentic Workflows and Playwright migrations. Expert in implementing AI monitoring protocols for financial platforms and driving 60%+ efficiency in regression.

Professional Experience

Envestnet

August 2025 – Present

QA Engineer

- Helped drive a 66% reduction in regression timelines (from 6 weeks to 2 weeks), significantly improving delivery speed.
- Played a key role in migrating legacy Selenium suites to Playwright, and expanded automation coverage from 20% to 75%.
- Developed automated scripts leveraging Model Context Protocols (MCPs) and Agentic Workflows to accelerate migration, test case generation, and developing automation suites coverage.
- Served as a core member of the Strategic AI pilot teams, evaluating AI tools for safety and precision.

Future AGI

February 2025 – June 2025

Founder's Office, Technology & Product, Intern

- Collaborated with cross-functional teams to design POCs and authored comprehensive PRDs to streamline feature integration.
- Built a Mixpanel analytics framework and optimized Appcues onboarding flows, boosting user activation and enabling data-driven decisions.
- Led technical validation and client demos, securing the company's first revenue-generating pilot customer.

Avivo Technologies

December 2024 – January 2025

AI/DS Intern

- Led the development and life-cycle management of an OCR-based Medical EOB processing engine.

Applied Cloud Computing

July 2023

ML Intern

- Developed a cloud-native OCR-based ML model on AWS for document-based approval automation.
- Gained hands-on experience with DevOps practices, cloud-native computing, and AWS deployment.

Education

Amrita Vishwa Vidyapeetham

2021–2025

B.Tech in Computer Science and Engineering (Artificial Intelligence)

Rank: 6th | CGPA: 9.11/10

XII: Narayana Junior College, HSC (91%)

X: New Horizon Public School, CBSE (95%)

Projects & Publications

- HTTP C2 Analysis and Detection Using MongoDB:** Published in the 3rd International Conference on Advances in Computing, Communication, and Applied Informatics (2024).
- On-Device Translation of Languages:** Published in the 15th International Conference on Computing, Communication and Networking Technologies at IIT Mandi.
- TRASIS:** An algorithmic trading bot that uses moving averages and news sentiment analysis to maximize profits.
- Network Intrusion Detection System:** Implemented a Network-IDS using ML and DL techniques to enhance network safety.

Skills

Programming Languages: Python, JavaScript, TypeScript, SQL, C++, Java, React.

AI & Machine Learning: LLMs, Generative AI, Agentic Workflows, Model Context Protocols (MCPs), LangChain, OCR (Tesseract/AWS Textract), Computer Vision.

Automation & Testing: Playwright, Selenium, PyTest, AI Monitoring Protocols, Regression Testing.

Tools & Cloud: AWS (EC2, S3, Lambda), Google Cloud Platform, Git/GitHub, Docker, Mixpanel, Appcues, MongoDB.

Certificates & Leadership

Certificates: [IBM AI Engineering Professional](#), [Google Project Management Professional \(v2\)](#), and [Introduction to Generative AI from Google Cloud](#).

Leadership: Served as Club President, Treasurer, and Sergeant at Arms for Toastmaster International (2023–2025).

Council Membership: Council Member for the Institute Innovation Council at Amrita Bengaluru (2023–2024).

Authorship: Authored an anthology titled "Humpty Dumpty Did not fall".