



UPEKSHA AMANDI



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SUMMARY

A highly motivated BSc (Hons) Computer Science graduate (Second Class Upper Division) from the University of Plymouth, with hands-on experience in full-stack development, AI/ML, and software testing. Passionate about leveraging technical skills to build innovative solutions, I thrive in collaborative environments and am committed to continuous learning. Strong problem-solving abilities, attention to detail, and a proactive approach to challenges define my work ethic.

TECHNICAL SKILLS

- **Requirements Analysis:** Reviewed specifications to create test scenarios
- **Web Testing Tools:** Chrome DevTools, BrowserStack
- **Testing Tools & Techniques:** Manual Testing, Functional Testing, UI/UX Testing, Integration Testing, Regression Testing, Automated Testing with Selenium (WebDriver), API Testing using Postman, Bug Tracking and Reporting, Test Plan Creation, Test Case Design
- **Methodologies:** Agile, SDLC, STLC
- **Languages:** JavaScript, Python, Dart, Java, C, C#
- **Frameworks & Libraries:** React JS, Node JS, Next JS, Flutter
- **Database & Cloud:** Firebase, MongoDB, MySQL
- **Other Tools:** Git & GitHub, Postman, Selenium, Firebase Console, Android Studio, Figma, VS Code

SOFT SKILLS

- Analytical Thinking.
- Continuous Learning and Improvement Team Collaboration.
- Organizational Skills.
- Strong Problem - Solving Skills.
- Attention to Deatail.
- Ability to work under pressure and meet deadlines.

PROJECTS

AI-Based Personalized Diet Planner For Office Workers

May 2025

Technologies: Flutter | Firebase | Python | Scikit-learn | Google Health Connect

- Developed a diet planner app using Flutter with AI-driven recommendations based on BMI, BMR, and user activity level.
- Tested with Postman for API validation and manual testing for feature validation, notification timing, and input forms.
- Integrated Firebase Auth and Hive for secure data handling and storage.

HCI Interactive Furniture Selection Application

April 2025

Technologies: Java (Swing) | Figma | JavaScript | HTML | CSS

- Developed an HCI-based desktop app with Java Swing.
- Performed usability testing (formative & summative), error prevention testing, and validation of UI components.
- Prototyped in Figma; iteratively improved the product using user feedback loops.

Library Management System (BookNest)

January 2025

Technologies: React.js | Node.js | Express.js | MongoDB

- Built a web-based library system with authentication, real-time notifications, and file uploads.
- Conducted integration and regression testing, and API testing via Postman.
- Used GitHub Actions for CI/CD testing, ensuring consistent deployment.

Portfolio Website 🌐

JUNE 2025

Technologies: HTML | CSS | JavaScript

- Built a responsive portfolio site with modern UI and animations.
- Tested cross-browser compatibility, and responsive layout issues, and validated form submissions using EmailJS test logs.

Productivity Monitoring System 🌐

2024

Technologies: React.js | Node.js | Python | MongoDB

- Created a productivity analytics platform with privacy-focused tracking.
- Performed manual and unit testing, validated reporting modules, and ensured data accuracy through test scripts.

Campus Connect Accommodation Portal

2024

Technologies: React.js | CSS, Next.js | Node.js | MongoDB

- Built a web platform to help NSBM students find accommodation.
- UI/UX testing was performed across devices, forms were validated for input errors, and Selenium was used for automated user flow testing.

Smart Marine Aquarium Monitoring System

2024

Technologies: Arduino for hardware | Arduino IoT cloud

- Designed a sensor-based aquarium system with a web/mobile interface.
- Verified sensor data accuracy using manual test cases and ensured reliable real-time data sync.

EDUCATION

BSc (Hons) Computer Science (Second Class Upper Division)

2022 - 2025

University of Plymouth

- *Software Testing | AI/ML | Big Data Analytics | Data Structures and Algorithms | Full-Stack Development (WEB|Mobile)*

CERTIFICATIONS

Learning Selenium

Linkedin Learning

Test Automation Foundations

Linkedin Learning

EXTRACURRICULAR ACTIVITIES

Badminton Player

2022 - 2023

Badminton Team - NSBM Green University

Executive Member

2022 - 2023

NSBM Buddhist Society - NSBM Green University

Volunteer

2022 - Present

FOSS Community - NSBM Green University

Volunteer

2022 - Present

IEEE Student Branch - NSBM Green University

REFERENCES

Mr. Gayan Perera (Lecturer)

NSBM Green University

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