

Krishnapriya Radhakrishnan

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WORK EXPERIENCE

Blueshift Education

London

Part-time Coding tutor

September 2023 – present

- Educated and mentored students aged 5 to 16 in Central and South London, teaching coding and robotics through engaging face-to-face classes.
- Coordinated the instruction of 3 programming courses, including Python, Scratch, and JavaScript, while developing and delivering coding and app development lessons.

Oxford Summer Courses

London

Part-time Coding tutor

June 2023 – September 2023

- Instructed tech courses for diverse international students (ages 9-12), prioritising safety with a valid DBS certificate.
- Crafted personalised syllabus based on student profiles to enhance engagement and understanding, structured materials for effective learning, implemented collaborative activities, and assigned homework.

Tata Consultancy Services (TCS)

Kochi, India

Programmer/ Web Developer

August 2020 – September 2022

- Collaborated with a top UK pharmaceutical company during the pandemic, developing and maintaining COVID-19 websites, ensuring responsiveness on mobile and web.
- Spearheaded the implementation of cutting-edge technologies and frameworks, including ReactJS and Tailwind CSS, to optimise website performance and user experience; achieved a 30% reduction in bounce rate.
- Streamlined development and maintenance of responsive designs adhering to design principles with CMS - Adobe Experience Manager (AEM); decreased website load time by 25%.
- Implemented test-driven development methods and executed rigorous unit and regression testing using Jest and other testing libraries; reduced software bugs by 40% and improved overall product quality.
- Orchestrated usability testing initiatives to optimise front-end solutions, gathering user feedback and refining designs; boosted user satisfaction by 40% and engagement by 25%.
- Enhanced user experience with performance optimisation using tools like Lighthouse and GTmetrix, achieving a 30% faster website load time and 20% higher user engagement.
- Led as Tech Lead, creating a training program for new team members. Shortened onboarding time by 30%, enhancing team efficiency for timely delivery and earning customer appreciation.
- Guided active collaboration with clients during the pandemic by handling time-sensitive projects with 98% precision and accuracy. Received praise and recognition from clients and team members for effective work.
- Facilitated seamless website integration by creating detailed technical documentation, providing clear guidelines to development teams and expediting the process by 40%.
- Tracked project progress with JIRA, maintaining accurate sprint documentation. Communicated status through burn-down charts, velocity reports, and summaries, facilitating informed decision-making and stakeholder alignment.

EDUCATION

Middlesex University

London

Masters in Computer Science

October 2023

- British Council's Women in STEM 2022-23 Scholarship awardee.
- Overall Distinction

St. Teresa's College (Autonomous), Ernakulam

Ernakulam, India

B.Voc Software Development

March 2020

- Overall GPA of 9.79 with first rank.
- Student coordinator of the college's graphic designing wing. Held the graphic designer position for college events and created logos, designs, posters, and brochures using Adobe Illustrator and Photoshop.
- Team leader for the "Age-Friendly College" initiative to create digital awareness among senior citizens.

PROJECTS

- Created a custom web app for undergraduate college, automating course allocation using Core PHP, MySQL, and JavaScript. Allocated 3000 students each for four years.
- Engineered a cutting-edge solution utilising Hyperledger Composer and NodeJS to transform the management of electronic medical records, enhancing data security, transparency, and interoperability across healthcare systems.
- Game inventory and reward system using ERC20 tokens – ReactJS, Chai.js, Solidity, Web3, Bootstrap.
- Crafted Agile artefacts such as user story, product backlog, sprint backlog, sprint retrospective, burn-up/down chart, workflow models, and design decisions for use case study prototypes developed using Python and Tkinter library.
- Master's dissertation – **Performance evaluation** of Flutter and NextJS **Progressive Web Applications** (PWA) using proof-of-concepts prototypes.
- Payment request processing application using **Flutter, NextJS, and Google Firebase.**

SKILLS & INTERESTS

Language: C++ | Core Java | Python | Core PHP | JavaScript | HTML 5 | CSS 3

Database: DBMS | MySQL | MongoDB | Google Firebase

Frameworks: ReactJS | NextJS | Flutter | Bootstrap | Tailwind CSS | jQuery | Spring Boot

Tools: Adobe Illustrator | Adobe Photoshop | JIRA | Atlassian suite | GitHub | Google Lighthouse | Web analytics

Design tools: Adobe XD | Figma

CMS: WordPress | AEM

Interests: Graphic designing | Android/ iOS application development | Blockchain | Machine learning | Artificial Intelligence | Promoting digital literacy