

NAVANEETH KRISHNAPURATHU BIJUMON

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WORK EXPERIENCE

UX Developer Intern

Causality Biomodels, Kochi | June 2025 – Present

- Designed and deployed 10+ responsive UI screens for med-tech apps using React.js and TypeScript, improving user navigation efficiency by 30%.
- Collaborated with backend teams to integrate 8+ REST APIs, reducing data rendering delays by 40%.
- Built reusable component libraries that decreased UI development time by 25% for future modules.
- Conducted 5+ rounds of usability testing and design iterations, leading to a 20% improvement in task completion rate during user testing.

Research Intern – Medical Image Segmentation

Indian Institute of Information Technology, Kottayam | May 2024 – September 2024

- Developed a student-teacher deep learning model using U-Net, achieving a 12% increase in segmentation accuracy on retinal images.
- Automated processing of 80+ DRIVE dataset images using TensorFlow and Python. Reduced overfitting by 15% via knowledge distillation and trained the model over 350 epochs.
- Demonstrated early detection of Glaucoma and Alzheimer's through accurate blood vessel segmentation.

EDUCATION

B. Tech, Computer Science & Engineering

Rajagiri School of Engineering & Technology | November 2022 – May 2024

CGPA: 9.10/10

Senior Secondary (XII), CBSE – Science

St. Johns The Baptist CBSE School | 2022

Percentage: 94.20%

Secondary (X), CBSE

Indian School Nizwa, Sultanate of Oman | 2020

Percentage: 93.00%

TRAININGS / CERTIFICATIONS

Certificate Course on IoT Programming using Embedded C and Python

Rajagiri School of Engineering & Technology | Oct 2023 – May 2024

- Completed certified training focused on IoT development using Embedded C and Python.
- Gained hands-on experience with microcontroller programming, sensor integration, and real-time data communication.
- Explored IoT architecture and Python-based automation for connected solutions.

PROJECTS

Eventique

Jan 2025 – Apr 2025

- A digital event management platform for registration, ticketing, and check-in with QR integration.
- Technologies used – React, TypeScript, Tailwind CSS, Firebase

MunchMate

Jul 2024 – Feb 2025

- A canteen pre-ordering app minimizing queues and improving efficiency in food service.
- Technologies used – React, TypeScript, Tailwind CSS, MongoDB

Teach 'N Learn

Oct 2023 – May 2024

- A platform for peer-to-peer tutoring and sharing/selling study materials.
- Technologies used – HTML, CSS, JavaScript

SKILLS

JavaScript, HTML, CSS, React, Node.js, TypeScript, C Programming, C++ Programming, Java, Python, Tailwind CSS, MySQL, Firebase, Git, Docker

EXTRA CURRICULAR ACTIVITIES

Chairperson – IEEE Computer Society RSET SBC

- Organized and led events like Game Jam, fostering innovation and collaboration.
- Oversaw planning, resource management, and strategic initiatives to boost member engagement.

Marketing Lead – NDLI RSET

- Led marketing strategies to boost engagement and visibility of the National Digital Library of India.
- Organized promotional campaigns and collaborated with teams for effective outreach.