

NAVANEETH KRISHNAPURATHU BIJUMON

navaneethkb04@gmail.com | +91 9656752611 | Kakkanad, Kochi, Kerala

[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Medium](#)

PROFESSIONAL SUMMARY

Computer Science and Engineering student with experience in AI research and front-end web development. Delivered a 12% accuracy increase in medical image segmentation using U-Net at IIIT-K. Built and deployed web applications using React, Node.js, and Firebase. Seeking to apply my skills in deep learning and software engineering to solve complex problems.

WORK EXPERIENCE

1. UX Developer Intern

Causality Biomodels, Kochi | June 2025 – September 2025

- Designed and deployed 10+ responsive UI screens for med-tech apps using React.js and JavaScript, improving user navigation efficiency by 30%.
- Collaborated with backend teams to integrate 8+ REST APIs, reducing data rendering delays by 40%.

2. 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.
- Demonstrated early detection of Glaucoma and Alzheimer's through accurate blood vessel segmentation.

EDUCATION

1. B.Tech, Computer Science & Engineering (Honors in Machine Learning)

- Rajagiri School of Engineering & Technology | November 2022 – May 2026 | CGPA: 9.10

2. Senior Secondary (XII), CBSE – Science

- St. Johns The Baptist CBSE School | 2022 | Percentage: 94.20%

3. Secondary (X), CBSE

- Indian School Nizwa, Sultanate of Oman | 2020 | Percentage: 93.00%

TRAININGS / CERTIFICATIONS

1. Introduction to Machine Learning

NPTEL – Indian Institute of Technology | Jan 2025 – Apr 2025

2. Certificate Course on IoT Programming using Embedded C and Python

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

3. From Learner to Builder: Become an AI Agent Architect

IBM Skillsbuild | July 2025

PROJECTS

1. **Veridian : AI-Based Financial Assistant for Personal Investing** *Main Project | 2025 - 2026*
 - Built an AI assistant for investment insights using **Student Guided Teacher RAG**. Applied NLP and anomaly detection on financial/news data to give personalized recommendations.
 - Technologies Used: Python, RAG, News API
2. **Eventique** (<https://eventique.onrender.com/>) *Mini Project | Sept 2024 - May 2025*
 - Full-stack event management platform with automated registration, authentication, and QR-based check-in.
 - Technologies Used: React, TypeScript, Tailwind CSS, Firebase
3. **MunchMate** (<https://munch-mate1.web.app/>) *Jul 2024 – Feb 2025*
 - Canteen pre-ordering app with mobile-friendly UI, scheduled pickups, and dynamic order management.
 - Technologies Used: React, TypeScript, Tailwind CSS, MongoDB

SKILLS

1. **Web Development** : JavaScript, HTML, CSS, React(Intermediate), Node.js, TypeScript(Basic), Tailwind CSS
2. **Programming Languages** : C Programming, Python
3. **Databases** : MySQL, Firebase (Basic)
4. **Version Control** : Git, Docker(Basic)

LEADERSHIP EXPERIENCES

1. **Chairperson – IEEE Computer Society RSET SBC**
 - Directed an executive committee of 40 members, overseeing all strategic planning, event execution, and member relations for the student branch.
 - Led the successful organization of 15+ technical and non-technical events, including coding competitions, workshops, and expert seminars.
 - Spearheaded the chapter's flagship Game Jam, managing a 24-hour event for 100+ students that resulted in the development of 20+ new projects and securing ₹50,000 in sponsorships.
 - Represented the IEEE Computer Society RSET SBC at regional IEEE meetings, coordinating with other student branches and enhancing the chapter's visibility.

LANGUAGES

- English (Proficient)
- Hindi (Intermediate)
- Malayalam (Native)