

GOPIKA GOPAKUMAR

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Trivandrum, Kerala India

[Portfolio](#) | [Linkedin](#)

PROFESSIONAL PROFILE

Dynamic and motivated Software Developer with 2 years of professional experience in React.js and Material-UI. Skilled in designing scalable and responsive web applications, integrating REST APIs, and delivering user centric solutions. Proven ability to adapt to challenges, meet tight deadlines, and collaborate with cross-functional teams. Passionate about leveraging innovative technologies to solve complex problems and enhance user experiences.

WORK EXPERIENCE

Embedded Developer (May 2025 - PRESENT)
iOrbit Digital Technologies - Trivandrum, India

- Developed and programmed embedded systems for healthcare applications using C. Integrated sensor based modules using communication protocols such as SPI, UART, and I2C.
- Worked with SEGGER tools and multiple embedded UIs for debugging and development.
- Hands-on experience with a wide range of microcontroller boards including STM32, Arduino Uno, Nordic nRF series, and Analog Devices' ADS family.

Software Developer (July 2022 – July 2024)
Xminds Infotech Pvt Ltd - Trivandrum, India

- Developed responsive and user-friendly web applications using React.js and Material-UI, improving user engagement by 25%.
 - Integrated REST APIs to ensure efficient data handling and enhance application functionality.
 - Designed and implemented graph visualisation tools, reducing data analysis time by 30%.
 - Collaborated with cross-functional teams to achieve project goals within tight deadlines.
 - Successfully delivered high-quality solutions under high-pressure situations.
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EDUCATION

LBS Institute of Technology for Women - Trivandrum, India
Bachelor of Technology : **Information Technology**

(2018 – 2022)

- Coursework: Python Programming, Data Structures, Object-Oriented Programming, Web Development, Database Management.
 - Completed internships to enhance hands-on experience in computer hardware, IoT, and foundational web development.
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SKILLS

- **Programming Languages** : JavaScript (ES6), Python, SQL, HTML5, CSS3
- **Frameworks & Libraries** : React.js, Material-UI, Node.js, Next.js, Express.js

- **Database Management** : PostgreSQL
- **Version Control** : Git, GitHub
- **Cloud & IoT** : AWS Cognito, Arduino, Firebase
- **Soft Skills** : Effective Communication, Team Collaboration, Time Management, Problem-Solving, Attention to Detail

PROJECTS

Datafree Portal - React.js, Material-UI, REST APIs, AWS Cognito

- Built an interactive web application, streamlining data access for more than 500 users.

Pixovo - React.js, Material-UI

- Developed a user-friendly interface for enhanced user experience.

Comeonda - React.js, Material-UI, REST APIs

- Created a responsive web application optimising data functionality.

Smart Irrigation System (Personal Project) - Arduino, Digital Moisture Sensor

- Designed an IoT-based prototype improving water efficiency in irrigation systems.

Diabetic Retinopathy Detection (Personal Project) - Python, TensorFlow, Keras

- Compared two pre-built models to know which is accurate in detecting retinal abnormalities.

INTERNSHIPS & CERTIFICATIONS

Internship: Computer Hardware and Networking

Institution: APJ Abdul Kalam Technology University

- Completed a 50-hour internship gaining theoretical and practical knowledge of hardware components and networking.

Internship: Hardware-Software Co-Design, Sensor Interfacing, IoT Deployment

Institution: Keltron

- Gained practical experience in Python programming, sensor technology, and foundational web development.

Certification: The Complete 2024 Web Development Bootcamp by Dr. Angela Yu

- Topics Covered: Full-stack web development including HTML, CSS, JavaScript, React, Node.js, Express, and SQL.