

Gopika Gopakumar

Software Developer

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[Portfolio](#) • [LinkedIn](#)

SKILLS

JavaScript (ES6+) • Python • SQL • HTML5 • CSS3 • React.js • Node.js • Express.js • Material-UI • Next.js • PostgreSQL • Firebase • Git • GitHub • Arduino • Responsive Design • REST APIs

EXPERIENCE

iOrbit Digital Technologies, Trivandrum, India - *Embedded Developer*

May 2025 - PRESENT

- 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.

Xminds Infotech Pvt Ltd, Trivandrum, India - *Software Developer*

Jul 2022 - Jul 2024

- Developed responsive and interactive user interfaces using React.js and Material-UI, integrating REST APIs to enable dynamic, data-driven features.
- Created data visualization components that reduced manual analysis time by 30%, while consistently delivering high-quality features in Agile teams through code reviews and sprint planning.

EDUCATION

LBS Institute of Technology for Women

B.Tech – Information Technology

Trivandrum, India

2018 - 2022

PROJECTS

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

Built a secure dashboard for 500+ users. Integrated authentication and live data updates.

Tusk – React.js, Firebase

Competitive productivity app allowing real-time task duels and daily score tracking.

Simply Scribbled – Next.js, Firebase

Personal blogging platform with admin-only CMS, real-time updates, and secure content handling.

Smart Irrigation System – Arduino

IoT prototype for automated watering based on real-time soil moisture levels.

Diabetic Retinopathy Detection – Python, TensorFlow

Compared pre-trained CNNs for medical image classification; evaluated using accuracy/recall.

CERTIFICATIONS AND INTERNSHIPS

- The Complete Web Development Bootcamp – Dr. Angela Yu (Udemy)
- Internship – Keltron: IoT & Sensor Interfacing
- Internship – APJAKTU: Hardware & Networking Fundamentals