



Arvind Krishna Gopalan

Software Developer

A skilled Software Developer with nearly five years of experience specializing in the development and maintenance of mobile and web applications. Proficient in web and iOS app development as well as IT service management, with a strong track record of delivering high-quality solutions. Eager to join a dynamic organization where I can leverage my expertise to drive growth and innovation while contributing to impactful projects.

Experience

SEP 2024 – Present

Laboratory Demonstrator, University College Cork

Demonstrated various programming modules, assisting students during lab sessions with technical queries, guiding them through problem-solving techniques, and providing hands-on support to clarify complex concepts. Troubleshoot lab-related issues and offered tailored solutions to enhance students' learning experience and progress.

MAY 2022 – AUG 2023

Custom Software Engineering Analyst, Accenture

Developed and maintained a high-performance, responsive web application for workforce management—covering payroll, scheduling, and employee operations—for a leading Iron and Steel industry client. Ensured seamless cross-browser compatibility and optimized application performance by implementing thorough end-to-end and unit tests using Playwright, Jest, and Vitest. Led a team of developers and QA testers to deliver key modules, collaborating closely with business stakeholders to define and achieve project milestones through active involvement in sprint planning and backlog refinement. Conducted peer code reviews to uphold high coding standards and code quality.

OCT 2018 – MAY 2022

Technology Analyst, Infosys Limited

Served as Deputy Application Manager overseeing IT services, including web and mobile applications, for a prominent client in the pharmaceutical industry. Administered the planning, implementation, delivery, and continuous improvement of these services to meet the needs of both internal and external stakeholders. Effectively managed support tickets through ServiceNow (SNOW), implementing bug fixes and minor enhancements for iOS and web applications, while maintaining thorough documentation of all updates. Additionally, spearheaded automation initiatives as part of transformation efforts, optimizing workflows and enhancing service efficiency.

Academic and Personal Projects

- Assisted Mr. Vincent Russel, a PhD student at University College Cork, in developing a Visual Array Experiment using three.js for his research on the benefits of spatial audio in virtual reality learning experiences, under the supervision of Mr. David Murphy, Lecturer and Programme Coordinator for the MSc in Interactive Media
Link: Visual Array Test (<https://cs1.ucc.ie/~akg2/Experiment3/>)
- Developed a Progressive Web XR app using React and three.js as part of a master's dissertation to address limitations of traditional sports broadcasts. "Beyond the Boundary" enhances cricket viewing with real-time stats and customizable layouts across desktop, mobile, and AR headsets, providing a more immersive, interactive experience.
Link: Beyond The Boundary (<https://beyond-the-boundary.onrender.com/>)
- Developed a diverse portfolio of interactive applications using React, JavaScript, Three.js, iOS, Python, Processing, and backend technologies like Node.js and MongoDB. Projects include an interactive seat booking platform, a React-based color picker, sketchbook, fractal generator, an iOS team management app, a fantasy league website, and a variety of games such as Super Mario, 2048, Lights Out, Hangman, Yahtzee, and Dad Jokes.

AWARDS & ACCOMPLISHMENTS

- Won the Infosys Insta award and Accenture ACE Award for setting up a benchmark performance at work
- Member of National Service Scheme Cell for more than 2 years and has participated in several camping programs
- Catalogued the Editorial committee of the 7th National Level Technical Symposium Emerge 2k17 during the academic year 2017-2019

Contact

📞 353 894431527
✉ arvind.007as@gmail.com
📍 Cork, Ireland

Education

SEP 2023 - SEP 2024

MSc Interactive Media

University College Cork

First Class Honours (79.4%)

JUN 2014 - AUG 2018

B.E Electrical and Electronics Engineering

Anna University / Valliammai Engineering College

First Class (CGPA: 6.96)

Skills

- Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Swift, Python
- Web Frontend:** React, SASS, JSS, jQuery, Bootstrap, Material UI, Tanstack Query, Storybook, PWA, three.js, R3F, Zod
- Web Backend:** Node.js, Express.js
- Mobile:** iOS Application development (Swift)
- State Management:** Zustand, Redux
- Testing:** Playwright, Jest, Vitest
- Databases:** MongoDB, MySQL
- Methodologies:** Agile, Waterfall, ITIL
- Design:** Adobe Illustrator, Photoshop, Blender
- Other:** MS Office, Service Now, Azure DevOps

Certifications

Udemy Certified Full Stack web developer
Infosys Certified Front-end Developer

Publications

Theft Detection using IOT in

Automated Toll Plaza

International Journal of Advance Research and Development

Websites

