GOPINATH VARADARAJAN

Address: United Kingdom | gvarad2001@gmail.com | [LinkedIn](#) | [Github](#) | https://www.gvtech.uk/ | [Leetcode](#) | Mobile: +44-7549297783

SUMMARY

Software Developer passionate about building customer-centric applications. Skilled in developing scalable web and mobile solutions using React, Node.js, and Augmented Reality. Experienced in API integration, data processing, and creating accessible software to optimise workflows.

SKILLS

- **Core Competencies:** Python | JavaScript | TypeScript | Java | Linux | Software Development | OOP | Agile | Git | GitHub | API Integration | Unit Testing | Microservices | Data Processing | Code Review.
- **Backend & Database Technologies :** Node.js | Express | REST API | SQL | MongoDB | Firebase | Bash.
- **Frontend & App Development Technologies:** HTML | CSS |Tailwind | jQuery | React | Angular | React Native | Redux.
- **DevOps & Cloud:** Docker | Kubernetes | CI/CD | GCP | AWS.
- **Soft Skills:** Communication and Team Collaboration | Emotional Intelligence | Leadership and Detail oriented | Decision making and Problem solving | Customer Focused and Critical Thinking | Time Management.

PROFESSIONAL EXPERIENCE

- **Software Developer | [GVTech](#) | Remote Freelance Developer**   **Oct 2022 - Present**
  - Delivered tailored solutions in web development, data engineering, and software design, leveraging modern technologies like MERN stack and Augmented Reality
  - Collaborated with clients to understand requirements, propose solutions, and ensure timely delivery of high-quality products.
  - **Tools Used :** Next JS, React, Node.js, JavaScript, TypeScript, MongoDb, SQL, Python, Firebase.

- **Software Developer - EdTeKLA Research Group (HCI Lab) | Alberta, CANADA**   **April 2022 - Sept 2022**
  - Developed an interactive software tool to analyse educational activities as part of the project **"Measuring Student and Instructor Use of Data Visualisations to Inform Their Activities."**
  - Designed and implemented a front-end React-based tool using data from over **50 university instructors**, improving the **efficiency of educational data visualisation by 25%**.
  - Enhanced the software by incorporating an accessibility feature for individuals with colour blindness, which increased **overall software usability by 30%**, making it accessible to a broader range of users.
  - The tool was adopted by over **200 users across multiple institutions**, contributing to a **20% reduction in the time spent** on manually analysing educational data.

- **Software Developer - National Institute of Hydrology | Belgaum, INDIA**   **Jan 2022 - April 2022**
  - Developed a React application for one of their research presentations, aimed at visualising the impact of **rainfall runoff models on water storage areas**. Designed the application to allow users to interact with key datasets.
  - The application led to a **40% improvement in presentation engagement**, with over **100+ researchers using the tool** for hydrological simulations and analysis. **Contributed to a 25% reduction in manual data handling efforts**, streamlining the workflow for the hydrology research team.

SELECTED PROJECTS

- **Technical Blog Platform - Full Stack Web Application** ([View in GitHub](#))
  Tools used: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Firebase.

- **GVTech Freelancing Website - Full Stack Web Application** ([View in GitHub](#))
  Tools used: Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Framer Motion.

- **Group Call Application with WebRTC Mesh Architecture** ([View in GitHub](#))
  Tools used: React.js, JavaScript, WebRTC, Simple-peer, SocketIO, Node.js, Express.js.

- **Augmented Reality App for Medical Students - Educational App** ([View in GitHub](#))
  Tools used: C#, Unity, Blender, Vuforia, ARCore, ARKit.

EDUCATION

- **M.S. Advanced Computer Science**   **Sep 2023 - Sep 2024**
  University of Leicester **|** Distinction
- **B.S. Information Technology**   **Aug 2019 - Aug 2023**
  Visvesvaraya Technological University **|** Distinction, CGPA: 9/10

HONOURS AND AWARDS

- Mitacs Globalink Research Internship Award. **Received a funding of 9000 CAD to pursue a research internship in Canada**.
- National Institute of Hydrology **Research Internship Award for completing a three-month prestigious internship**.
- **INNER WHEEL CLUB** mathematics competition final winner. **Stood in the top 0.2% of students.**

CERTIFICATIONS

- AWS Fundamentals   .   [View credentials](#)