GOPINATH VARADARAJAN

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SUMMARY

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

SKILLS

- **Core Competencies:** Python | JavaScript | TypeScript | Java | API Integration | Microservices | Data Processing.
- **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

- **Full-Stack Developer - Quantum Data Labs | Milton Keynes, United Kingdom**   **Jan 2025 - Present**
  - Spearheaded **database design, API development, and UI/UX enhancements**, ensuring **scalability, performance, and seamless integration** within the AI-driven supply chain platform.
  - Integrated **real-time features in the dashboard**, including technician profiles, maintenance workflow triggers, and sections for help report analysis, predictive maintenance, and procurement planning.

- **Software Developer - [GVTech](#) | Remote Developer**   **Jan 2023 - Dec 2024**
  - Delivered tailored solutions in web development, software design, leveraging modern technologies like MERN stack to build the product. 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.

- **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 - Jan 2025**
  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](#)