Namratha Shivaraju

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EDUCATION

University of Washington, Seattle   **Sept. 2022 – March 2024**
Master of Science in Technology Innovation (MSTI)   *Seattle, WA*
- **Leadership :** Event Manager, Graduate Student Association (7/80 students), organized 16 events for 200+ students
- **Employment :** Teaching Assistant (TA) for TECHIN 501 - Fabrication and Physical Prototyping (80 enrolled students) **(2023)**

Indian Institute of Information Technology (IIIT), Dharwad   **Aug. 2018 – Aug. 2022**
Bachelor of Technology in Computer Science and Engineering (BTech - CSE)   *Dharwad, KA*
- **Leadership :** President, Dance Club - Cultural Committee, Member - Entrepreneurship Cell (E-Cell)

EXPERIENCE

Deloitte US-India   **Jan 2022 – June 2022**
Software Engineer Intern   *Bangalore, KA*
- **Technology Used :** Angular, JavaScript, SASS, .NET framework, and Kendo UI
- **Software Development :** Developed a financial management website for Deloitte. Implemented Beacon technology to introduce a module aimed at managing finances, allowing employees and admins to generate alerts, and real-time monitoring of alerts status.
- **Collaboration :** Integrated front-end and back-end operations, working with .NET and C# engineers. Presented to senior leadership team at Deloitte and received sign-offs. Ensured a robust, user-centric platform with enhanced alert functionalities.
- **Customer Centricity and Design Thinking :** Gathered requirements and conducted user testing for the financial dashboard. Iterated design and features based on stakeholder feedback, resulting in 95% client approval for usability.
- **Agile Development :** Attended daily scrums and was part of 10+ sprints, rapidly adopting new technologies and delivering client-focused front-end solutions under tight deadlines.

IsoPort Chamber PVT Ltd.   **May 2021 – July 2021**
UI/UX Designer & Software Engineer Intern   *Mumbai, MH*
- **Technology Used :** React, JavaScript, Firebase, Figma, Inkscape
- **Front-end Development :** Designed and developed a hyperlocal social networking platform, ensuring real-time access to critical COVID-19 resources in local communities using React and Figma. Served as the sole team member for front-end implementation.
- **User Research and Design :** Conducted user research through surveys and interviews to gather feedback from over 500 individuals, leading to iterative improvements that resulted in a 40% increase in app engagement.
- **Back-end Integration :** Demonstrated versatility in full stack development. Integrated Front-end using React and Firebase.

Airports Authority of India   **May 2021 – July 2021**
Web Developer Intern   *Bangalore, KA*
- **Technology Used :** Apache Tomcat, JAVA 8 Servlets, MySQL, HTML, CSS, JavaScript
- **Web Development :** Developed a web interface to communicate and track real-time broadcasted messages for natural disasters & weather data between GAGAN (a space based augmentation system by Government of India) and various weather forecasting agencies. Implemented secure password storage & session cookies for logging.
- **Leadership :** Led a team of interns in a virtual setting, effectively communicating and assigning tasks to ensure the timely delivery of a product ahead of schedule.

OTHER RELEVANT EXPERIENCES

Microsoft - Solar Farms | *Role: Full Stack Engineer & Product Manager*   **Sept. 2023 - March 2024**
- **Technology Used :** React, Javascript, CSS, Python, Flask
- **Development :** Led and single-handedly developed a financial dashboard website for community microgrid managers at Microsoft, utilizing React, JavaScript, CSS, Python, and Flask, from conception to deployment over 6 months
- **Management :** Spearheaded the completion of project on time and under budget and successfully presented the innovative solution to Microsoft executives
- **User Experience and Research :** Conducted in-depth user research, 30+ interviews, and prototyping for the dashboard. Gathered and documented end-user requirements and received approval from Microsoft Sponsor.
- **Design :** Employed Figma for rapid prototyping, enabling effective visualization and feedback integration throughout the development process

Betacom (Bellevue, WA) | *Role: Software Engineer*   **July 2023 - Sept. 2023**
- **Subject Matter Expertise :** Researched and analyzed the potential impact of 5G technology in the telecommunications industry, gained comprehensive understanding of object detection capabilities using 5G.

TangraMinds | *Role: Front End Engineer, ML Engineer, and Product Manager*   **March 2023 - June 2023**
- **Technology Used :** Object Detection, Swift, CoreML, Python, SQL Lite, ESP 32, RFID
- **Interface Development :** Developed an interactive tangram app using Swift to enhance children's learning experience by integrating RFID technology for piece detection and ESP32 for board connectivity.
- **Computer Vision :** Trained an object detection model to recognize Tangram patterns, verify and display pattern names on successful recreation. Implemented multiple play modes and an interface for pattern scanning, registration, and gallery storage.

TECHNICAL SKILLS

Languages: Python, C, C++, HTML, CSS, JavaScript, TypeScript, MySQL, SASS, Tailwind CSS
Frameworks: React, Linux, Anuglar, Fusion 360, CoreML, Figma, Miro, Tableau, Jira, Grafana
Others: Front End Engineering, Product Management, Web Development, Software Development, Leadership