

# VISHNU S DARSAN

## FRONT-END DEVELOPER

+91 - 62824 - 35812 | [vishnu4693@gmail.com](mailto:vishnu4693@gmail.com)



### SUMMARY

Front-End Developer with a solid background in **HTML, CSS, JavaScript, jQuery, Bootstrap, React.JS, Figma, WordPress** and **Python**. Dedicated to developing user experiences. Skilled in developing design concepts, wireframing, and turning them into completely responsive, aesthetically pleasing, and useful websites. Devoted to developing outstanding user experiences and utilizing captivating web interfaces to generate business outcomes.

### TECHNICAL SKILLS

#### Web Technologies :

- HTML5
- CSS3
- JavaScript
- jQuery
- Bootstrap
- React.JS
- Responsive Web Design

#### Design & Prototyping :

- Figma
- Adobe XD
- Wireframing
- Adobe Photoshop
- Mockup Creation
- PCB Fabrication
- Arduino

#### Development & Workflow :

- Python
- Spyder IDE
- Cross-browser Compatibility
- Mobile-first Development
- Git/GitHub
- Code Debugging
- Performance Optimization
- SEO Best Practices

#### Content Management :

- WordPress
- Theme Customization
- Plugin Integration

### PROFESSIONAL EXPERIENCE

#### Front - End Developer, Amrita Vishwa Vidyapeetham

Mar 2022 - Present

- Developed responsive online learning platforms using HTML5, CSS3, Bootstrap, and JavaScript, creating seamless educational experiences across desktop, tablet, and mobile devices for over 10,000 active students.
- Built interactive chemistry simulations allowing students to conduct virtual experiments including molecular modeling, chemical reactions, and laboratory procedures, reducing physical lab costs while maintaining educational effectiveness.
- Developed responsive user interfaces with Bootstrap framework, ensuring consistent platform accessibility across various devices while maintaining intuitive navigation for students and instructors of all technical skill levels.

#### Front - End Developer, Signroots Technologies

May 2021 - Mar 2022

- Developed and maintained responsive web applications ensuring optimal user experience across desktop, tablet, and mobile devices with consistent cross-browser compatibility.
- Implemented Bootstrap framework to create mobile-first, responsive layouts that reduced development time by 40% while maintaining design consistency and accessibility standards across all project deliverables.

#### AI & Python Front - End Developer, Stroks Technologies

Feb 2020 - May 2021

- Developed responsive web applications using HTML5, CSS3, Bootstrap, and JavaScript, creating user-friendly interfaces for AI-powered platforms that served over 5,000 users across multiple industries and use cases.
- Built and integrated machine learning models using Python in Spyder IDE, developing predictive analytics dashboards and data visualization components that translated complex AI insights into accessible web interfaces.

## ACHIEVEMENTS

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- Successfully delivered 50+ projects on time and within budget maintaining 95% client satisfaction
  - Improved website loading speeds by 65% through image optimization and code minification
  - Developed 25+ interactive web applications using vanilla JavaScript with 99.9% uptime
  - Created 50+ reusable CSS components using BEM methodology, improving code maintainability by 60%
  - Rapidly prototyped 30+ responsive interfaces using Bootstrap, reducing development time by 50%
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## EDUCATION

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### Web Development Training

Dec 2019 - May 2020

Stroxx Technologies

- Completed comprehensive HTML5 and CSS3 training with focus on semantic markup, responsive design, and modern web standards.
- Achieved Bootstrap framework certification covering responsive grid systems, components, and mobile-first development principles.

### B.Tech in Electrical and Electronics Engineering

May 2015 - Aug 2019

Ponnaiyah Ramajayam Institute of Science and Technology University

- Circuit analysis and design including AC/DC circuits, network theorems, and complex impedance calculations. Power systems engineering covering generation, transmission, distribution, and protection systems.
- Power electronics with converter circuits, inverters, and motor drive systems. Microprocessor and microcontroller programming for embedded system applications. Signal processing techniques for analog and digital communication systems.

## PROJECTS

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### IoT-Based Smart Agrometer for Enhanced Crop Production

- Integrated sensor network with soil moisture, pH, temperature, humidity, and light sensors connected to ESP32/Arduino microcontrollers
- Automated irrigation control based on real-time soil moisture levels with weather data integration for predictive crop management

### PCB Designing & Fabrication

- Circuit design using CAD software like Eagle, KiCad, or Altium Designer for schematic capture and PCB layout
- Fabrication process understanding including etching, drilling, plating, and solder mask application
- Hands-on experience with PCB design tools and manufacturing processes

## ADDITIONAL INFORMATION

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- **Languages:** English, Hindi, Malayalam
- **Certifications:** Electrical & Electronics Engineer (EEE), Front-End Developer
- **Awards/Publications:** Paper published on Indian Journal for Applied Research (**IJAR**) for IoT-Based Smart Agrometer, Workshops on PCB Fabrication, Facebook Bot and Arduino Programming