Sparsh Hurkat

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Website - sparshhurkat.vercel.app | github.com/sparsh-hurkat

Objective

Software developer with a strong foundation in electronics and a keen interest in artificial intelligence. Seeking to pursue a Master's in Computer Science to deepen my knowledge in the field, and contribute to research and innovation advancing the development of interactive software and intuitive cyber-physical systems.

Education

Bachelor of Technology in Electronics and Communication Engineering   **May 2022**
Vellore Institute of Technology, Vellore, India   **GPA: 8.3/10**
Coursework: Data Structures and Algorithms, Problem Solving and OOP, Statistics for Engineering, Neural Networks & Deep Learning, Artificial Intelligence with Python, Machine Learning Fundamentals, Advanced Java Programming.

12th Higher Secondary Certificate: HSC Board   **May 2018**
Pace Junior Science College, Dadar, Mumbai, India   **Aggregate: 83%**

10th Secondary School Certificate: ICSE Board   **May 2016**
Arya Vidya Mandir Bandra, Mumbai, India   **Aggregate: 90%**

Professional Experience

Software Development Engineer, Moneyview (Fintech), Bangalore, India   **Jul 2022 – Present**

- Directed the migration from an external video conferencing tool to an in-house solution, boosting customer video verification efficiency by 400% with zero additional cost.

- Developed and managed a comprehensive call management portal for all company-customer interactions, enabling a 2x increase in agent count and a 20% increase in monthly call volume.

- Revamped the main website and Content Management System using Next.js, replacing the outdated tech stack for improved scalability and maintainability and improving the design for better user experience.

- Created a portal for partner vendors to manage customer transactions using the buy-now-pay-later option, a new product line for the company which contributed to a 10% increase in revenue within a year of launch.

- Contributed to a company-wide UI redesign, implementing a standardized design system and adopting modern coding practices. This significantly improved code quality, UX, developer efficiency, and overall performance.

Internships

Software Development Engineer Intern, Moneyview (Fintech), *Bangalore, India*   **Mar 2022 – Jul 2022**

- Enhanced internal operations portal reliability and uptime by implementing comprehensive error-handling mechanisms to prevent system crashes and ensure data integrity.

- Led a team of 4 to develop a Loan Originating System microservice. Won 3rd place in the New-Hire Hackathon for our innovative solution and adherence to industry standards.

Experience Design Engineer (XDE) Intern, Them Consulting, *Mumbai, India*   **May 2021 – Jun 2021**

- Analyzed systematic approaches to design by concept generation and prototyping of a user-friendly wedding planning platform.

- Researched user-centered design and human-computer interaction to enhance user experience and improve acquisition rates.

Personal Projects

AI-Powered Interactive Portfolio - github.com/sparsh-hurkat/spot   **Jun 2024 - Jul 2024**

- Enabled dynamic updates to the website by storing personal data in a MySQL DB; Utilized NextJS to optimize SEO performance.
- Incorporated AI Chatbot functionality to improve user retention and demonstrate advanced AI technical skills using LangChain.

E-commerce website for "The Gift Angels" - github.com/sparsh-hurkat/gift-angels   **May 2019 - Nov 2019**

- Successfully launched and managed an e-commerce website for a local business, overseeing inventory, implementing effective digital marketing strategies, and optimizing SEO to drive online sales and customer acquisition.
- Operated the e-commerce platform for 6 months, driving a 30% increase in total sales. Gained valuable insights into scalability and the criticality of well-structured code for long-term success.

Academic Projects

Real-Time Driver Fatigue Monitoring   **Aug 2020 - Nov 2020**

- Achieved 94% accuracy by implementing false positive mitigation strategies on computer vision techniques.
- Implemented a facial feature detection system using Python & enabled real-time remote monitoring using Arduino and C++.

Blockchain-Secured Electronic Voting Platform   **Jan 2019 - Apr 2019**

- Engineered a biometric user authentication system with a 99% accuracy in a bluetooth enabled Electronic Voting Machine.
- Displayed real-time updates on a tamper-proof web-based platform; Participated in the Smart India Hackathon 2019.

Skills & Certifications

Languages: JavaScript, Java, Python, C++, MySQL, HTML, CSS

Libraries & Frameworks: ReactJS, NextJS, ExpressJS, LangChain

Tools & Platforms: AWS S3, Spring Boot, Docker, Git, Jest, Figma, Arduino

Machine Learning: 2 Month Training & Certification by Verzeo (Microsoft) - 2020

Extracurricular Activities

Web Administrator, Board Member, IEEE Electromagnetic Compatibility Society, Vellore, India   **2021**

- Helped to inaugurate and establish this new chapter with a team of 10 & helped with the recruitment of new members.
- Managed website & digital marketing efforts to promote 3 webinars attracting over 100 attendees.

Volunteer, Youth Red Cross Society, Vellore, India   **2020**

- Organized blood donation camps and health awareness programs, benefiting over 500 people in the community.