Sagar Pathak

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UI/UX | Web-Dev | Data Science Enthusiast | Cyber-Security

Education

California State University - San Marcos, United States **Aug 2021 - May 2023**
Master's in Computer Science
Awards: Graduate Non-Resident Scholarship **Received in** *2021*

Silver Oak College of Engineering & Technology, India **Aug 2015 - May 2019**
Bachelor of Engineering in Computer Engineering **GPA:** 3.7
Achievement: #Ranked 135th/ 6469 **Received in** *2019*

Skills

Programming Languages: - Python, Java, C, C#, JavaScript, SQL, HTML, CSS, SASS, XML, Tailwind
Databases & Version Control: - Acquia, MySQL, MongoDB, SQLite, Git, GitHub, Firebase, Bitbucket
Miscellaneous: Akamai**,** Jenkins, Postman, Chrome Dev Tools, Jira, Iris, Agile, Blaze meter, Cloudflare CDN, platform.sh
CMS: Drupal 7, Drupal 8, Joomla
Tools: Oculus Quest, Oculus Rift, Intel Real sense, Android Studio, Unity 3D, DDos Prevention tools, WireShark, Honeypot, AirCrack

Experience

California State University - San Marcos, US **September 2021 – Present**
Instructional & Information Technology Services – Student Assistant
• Performed troubleshooting and maintaining computer software configuration for campus technology
• Assist Professors and students with their queries related to Software configurations
• Kept myself updated every week with the new technical advances and new software changes

Tata Consultancy Services (TCS), INDIA **January 2020 – August 2021**
System Engineer
• Experienced work in Development team and Support Team to handle the deliverables
• Used to work with direct point of contact of product owners and collaborations with cross-functional teams
• Enhanced User Experience as per the client's requirements using canvas, Javascript, Python and CSS
• Used to optimize sites by 40% of its efficiency, Managed legacy sites and convert to the flatten sites with updated technical requirements. Maintained all the code base with version control systems
• Worked on various types of incidents related to sites in iris portal which includes P2 and P3 incidents
• Used to make the sites go live and pushing to the production, also handled the after-released support
• Participated in hackathons, completed certified training as per the project's requirements

Academic & Industrial Projects

Social Offense Analytics (JavaScript — Angular — TypeScript — MySQL)
• Designed web portal from where user reports account and platform, Maintains the database of frequent offenders
• Purpose of creating this portal is to make people aware about the frequent offenders in social media whether by seeing an annual report published or by manually checking the database

Hill Climb Racers & Flappy Bird 3D (C# — Unity 3D — Android)
• Developed a 3D Mobile game for Android as well as iOS devices
• Game used motion sensors of the device

Virtual Visiting Card (C# — Unity 3D — Augmented Reality — Android — Vuforia SDK — AR Core — AR Kit — AR Foundation)
• Developed an application which shows Realtime UI change whenever camera hover over a specific card
• Used Vuforia SDK for developing this application as per the client's needs and requirements
• Made the application focusing on the User Experience and User interface to make it work as smooth as possible

Cement Factory Site Tour (C# — Unity 3D — Virtual Reality — Oculus Quest)
• Delivered the VR application made for oculus quest to educate about the company's equipment in a simulated environment
• Used Vuforia SDK for developing this application as per the client's needs and requirements

Johnson & Johnson Pharma & Consumer Sites (Drupal – php – JavaScript – SASS – ReactJs – NodeJs)
• Used to create Pharma sector's websites at the time of covid-19 vaccine launch
• Developed with Content Management System (CMS) Drupal and pages with ReactJs and NodeJs for backend database connectivity
• Design pages as per the product owner's expectations

Accomplishments & Certificates

• Certified C, C++ and Java SE Developer from NIIT India and ACT respectively
• Top 10 Runner Up project in International VR hackathon in Kochi, India
• Machine learning and Artificial Intelligence Enthusiast with Udemy and Coursera certified trainings

Courses Taken in Master's

• Design Patterns and Object-Oriented Analysis, Data Communication and Computer Networks, Advanced Database Management Systems, Research Preparation in Computer Science, Deep Learning, Security concepts for devices

Courses Taken in Undergrad

• Data Structures, Analysis and Design of Algorithms, Cyber Security and Compiler Design, Artificial Intelligence