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| **Gautam Saini** | 813-605-9772 | Tampa, FL  linkedin.com/in/gautamsaini3/ | gautamsaini.com imgautamsaini@gmail.com |

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| SENIOR APPLICATIONS DEVELOPER | **Core Competencies**   |  |  | | --- | --- | | * Machine Learning * Cloud Computing – AWS * Database Management | * Algorithms & Data Structures * Full-Stack & Responsive Web Development * Data Visualization | |
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| TECHNICAL  PROFICIENCIES | |  |  | | --- | --- | | **Languages** | Python (Expert), Java(Proficient), J2EE, PHP, Node.js, AngularJS, ExpressJS, JavaScript, Bootstrap, C, C++, jQuery, CSS, HTML5, SQL, PL/SQL, ASP, AJAX, XML, JSON, Animate.css, RESTful APIs | | **Databases & Tools** | MySQL, MariaDB, Oracle DB, SQL developer, SQL workbench, GIT, Tortoise SVN, Jira | | **IDEs &**  **Others:** | PyCharm, Tableau, Android SDK, iOS XCode, Jupiter Notebook, Kony IDE, BI Publisher, JDeveloper, Processing, Windows OS, Linux, Ubuntu, Visual Studio Code, Eclipse | |
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| PROFESSIONAL  EXPERIENCE | **Research Specialist**, University of South Florida - College of Nursing, Tampa, FL (3/2020 to Present)   * Lead the development of project `Rapid Risk Assessment and Intervention of COVID-19` using AngularJS CLI, Nodejs,Expressjs and Python. * Sketched a scalable system with high availability using AWS services to support extensive user data collection and processing for assessment of COVID19.   **Student Assistant**, University of South Florida - College of Nursing, Tampa, FL (7/2019 to 3/2020)   * Drive entire architecture of the web application portal (end-cancer.org) for First Responders Cancer Education Program (TIMS) project using HTML5, Bootstrap4, and PHP7 and work diligently from requirement gathering and technical design (front end, backend and REST API) to final testing. * Fostered and sustained a productivity-focused environment and accomplished 100% of the productivity by completing the project one month in advance of the targeted timeline. * Lead the tech meeting presentation on various aspects of progress report, recommended strategies to enhance the quality of research.   **Senior Applications Engineer**, Oracle Private Limited, Hyderabad, IN (6/2015 – 12/2018)   * Worked alongside the Performance Management team and designed the rating report templates through the use of oracle business intelligence publisher (BIP), java, oracle database, and advance development framework (ADF). * Improved overall performance of Human Capital Management (HCM) - Fusion project by 5%. * Fixed 200+ bugs of the HCM performance management project. * Designed BI artifacts of email notifications functionality and successfully integrated into Oracle cloud environment with high quality.   **Associate Software Engineer**, Kony IT Services Private Limited, Hyderabad, IN (7/2013 – 5/2015)   * Utilized Java, JavaScript, Android SDK, iOS XCode, and Kony IDE to design mobile banking applications for BFSI clients. Delivered robust data security for local database files using 256-bit AES encryption by integrating SQLCipher. * Adhered to on-time delivery, high-quality development of CITI USA and DBS India banking mobile applications. * Implemented lazy loading in SPA application, thus reducing first load time by 40%. * Designed 2 out of 14 key features of DBS bank mobile application. * Collaborated with a team of 9 developers to design CITI USA app and won best team award.   **Assistant Research Fellow**, National University of Singapore  (5/2012 – 7/2012)   * Developed supporting components of a dynamic, adaptive video streaming video system, GeoVid. * Provided live video upload support for the Android app by working within MPEG library. |
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| EDUCATION | **Master’s in computer science, Data Visualization & Machine Learning,** Expected – 08/ 2020  University of South Florida, Tampa, FL, GPA 3.96/4  **Bachelor of Technology, Computer Science Engineering,** 5/2013  National Institute of Technology Surat (NIT – Surat or SVNIT ), GPA 7.56/10 |
| PROJECTS | **Cifer5 Image Dataset Classification,** May 2019  Wrote a 22-layer deep neural network model using Keras APIs. Improved accuracy for image classification to 87% and proved the statistical significance of the model using the McNemar test.  **AWS lex chatbot**, April 2020  An interactive chatbot for booking movie tickets via text or voice recognized conversation, backed by Amazon lex services.  **Motorcycle crash data analysis,** 10/2019  Study of motorcycle vs. passenger car crash data taken from the NHTSA website to analyze younger drivers of two-wheeler involved in traffic crash between 2016-2018. Aims to predict the accident-prone zones and mitigate the risk by spreading general awareness.  **GRE vocabulary made easy high-frequency ETS words**, Published - Dec 2018  Architected an android app with helper Python libraries to maximize GRE preparation. The app has received a 4.5-star rating on google play with 6,500 active users. |
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| CERTIFICATIONS | * Neural Network and Deep Learning by deeplearning.ai * Node.js essential training by LinkedIn learning * Angular: Ecosystem by LinkedIn learning * Programming Foundations: APIs and Web services * Programming Foundations: Databases * Certified by NetTech in Networking Management * Trained and Certified JAVA Core Programmer by NIIT * Oracle IDC Certified Accessibility Developer |