

SAATVIK TIKOO

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EDUCATION

- **University of Southern California, Viterbi School of Engineering** *Los Angeles* *August 2019 – May 2021*
Master's in computer science
- **Jawaharlal Nehru Technological University, College of Engineering** *Hyderabad* *September 2013 - April 2017*
Bachelor of Technology in Computer Science & Engineering *Percentage: 82.87%*

EXPERIENCE

- **Oracle Corporation Ltd** *Senior Applications Developer* *July 2017 - July 2019*
 - Worked on multiple ERP Cloud products for Fusion Financial Technology Team, which involved Web development in Java EE and JavaScript using Oracle JET, Visual Builder Cloud Services and ADF.
 - Developed one complete module on HED product, that involved enhanced support for high performance and usability accordance to the requirements from Product Managers, UX Designers and Client inputs. The module handled internationalization, accessibility and automated testing suites.
 - Created alternate application to handle ESS Job Scheduling with graphical UI and Rest resource development. Responsibilities included designing to deployment of application with integration to a continuous build cycle.
 - Generated data-visualizations for Jira tasks and user-stories using OJET and Jira Rest APIs with a requirement of low latency.
 - Worked on Web Application for Performance Enhancements, handling Automation and Dynamic Form and Dynamic Flex Fields usage.
 - Mentored 1 new hire and handled code review, meeting code standards, requirements and resource estimation.
- **Pervacio Inc** *Software Developer Intern* *January 2017- March 2017*
 - Collaborated with a team of three, to build a system to automatically detect physical damages to a mobile device without any human interaction. It included developing software and designing hardware. **OpenCV** was used for image recognition & processing and Pylon suite to control cameras on hardware.

PERSONAL PROJECTS

- **Sentiment Analysis** *Machine Learning, scikit-learn, NLTK, Python* *February 2017*
Project deals with sentiment analysis of IMDB's movie reviews. It compares different classifiers such as Naïve Bayes, SGD, AdaBoost, Decision Tree and Random Forest to compare the performance of classifiers under multiple-parameters and metrics.
- **Game Development, Bouncing Balls** *Java* *June 2016*
Designed the game in Java with swings and awt packages for UI development. Handled the game physics which simulates linear motion of objects after collision considering the direction and level of the game.
- **College Technical Fest Website** *Polymer Framework, PHP, MySQL* *January 2016*
Designed and developed Annual Fest official website. Received 20,000 hits on the website within a period of one month and improved the page ranking following google analytics of the page.

SKILLS

- **Programming Languages:** C, C++, Java, JavaScript, PHP, Python, SASS, SQL
- **Frameworks and Tools:** ADF, Jenkins, OpenCV, Oracle JET, PostgreSQL, REST, VBCS
- **Machine Learning:** Keras with TensorFlow, NLTK in Python, scikit-learn (for using supervised learning algorithms)

ACHIEVEMENTS

- **Oracle Hackathon:** Software for autonomous data updating of Mock Rest Data Bank, improved developer time.
- **HackerRank** *@saatvikTikoo*
Ranked in top 500 for Data Structure, Algorithms and C++ in year 2016. Participated in multiple coding challenges and events like Hyderabad's Best Coder, JNTUH Codage etc.