

SAATVIK TIKOO

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EDUCATION

- **University of Southern California, Viterbi School of Engineering** *Los Angeles* *August 2019 – May 2021*
GPA: 3.6
Master's in computer science
- **Jawaharlal Nehru Technological University, College of Engineering** *Hyderabad* *September 2013 – April 2017*
Percentage: 82.87%
Bachelor of Technology in Computer Science & Engineering

EXPERIENCE

- **Amazon** *Software Development Engineer Intern* *May 2020 – August 2020*
 - Worked on Mobile Application Development in React Native with the focus on Android side development.
 - Developed a back-end Service API to fetch data from the UI using Kotlin.
- **USC-ISI** *Student Worker* *December 2019 – May 2020*
 - Working under Professor Fred Morstatter on the Macroscopic models for Reproducibility and Replicability of Research Claims in the Social and Behavioral Sciences for developing a classifier that is robust to gaming.
- **Oracle** *Senior Applications Developer* *July 2017 – July 2019*
 - Worked on multiple ERP Cloud products for Fusion Financial Technology Team, which involved Web development in JavaScript using Oracle JET, Visual Builder Cloud Services and ADF.
 - Developed Rest APIs that involved enhanced support for high performance and usability according to the requirements from Product Managers and Clients.
 - Worked on multiple features including internationalization, accessibility and automated testing suites. 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.
 - Mentored 1 new hire and handled code review, meeting code standards, requirements and resource estimation.

PERSONAL PROJECTS

- **News Website** *Web development, React, Azure Auto suggest Flask, EC2 AWS* *February 2020*
Developed a new application that was hosted on AWS- EC2. The rest APIs were built in flask and the front-end uses React. Add a search engine based on Azure auto suggest. The news was fetched from New York Times and Guardian. Added persistent comment box to news articles.
- **News Mobile Application** *Mobile Application development, Android, MP Android Charts, EC2 AWS* *March 2020*
Mobile version of the new website. Developed in pure Android. Used Chart libraries to check the popularity of a word based on news. Used refreshable view that refreshes a screen on pull down. Stored Bookmarked news articles locally. Added the feature of sharing on Twitter.
- **Game Agent, Halma** *Artificial Intelligence, Java* *November 2019*
Developed an intelligent agent in Java that can play Halma board game. The game uses minimax algorithm with alpha beta pruning and good utility function to play against a human agent under time constraint. All the algorithms were built from scratch.

SKILLS

- **Programming Languages:** Java, JavaScript, Kotlin, PHP, Python, SQL, TypeScript
- **Frameworks and Tools:** Android, Brazil Packaging tool, Jenkins, OpenCV, Oracle JET, PostgreSQL, REST, React, React Native
- **Machine Learning:** Keras with TensorFlow, NLTK in Python, scikit-learn (for using supervised learning algorithms)

ACHIEVEMENTS

- **Innovation Challenge, USC Marshall School of business** *October 2019*
Won the innovation challenge held at USC, that focused on helping a startup, Fareshare, to make their product better with more features & market research.