

SANAY DEVI

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Recent software engineering graduate student seeking a full-time job with a focus on full-stack development. One year in work experience working with Agile Teams, Python Scripting, Automation and Artificial Intelligence.

EDUCATION

Master of Science – Software Engineering: Arizona State University, US GPA: 3.56 **May 2017 – May 2019**
Bachelor of Engineering – Computer Science: University of Mumbai, India GPA: 7.3 **May 2013 – May 2017**
Relevant Courses: | Advanced Data Structures & Algorithms | Artificial Intelligence | Data Mining | Human Computer Interaction | Advanced Software Design | Programming Languages & Paradigms | Web Design & Development |

TECHNICAL SKILLS

Concepts: | Agile | Data Structures & Algorithms | Web Crawling | SDLC | Risk Assessment | Design Patterns |
Languages: | Python | Java | HTML5 | CSS | SWIFT | JavaScript | MATLAB | C | Modelica | Xcel |
Frameworks: | Pandas | Selenium | Keras | BeautifulSoup | Requests | AWS | CocoaPods | JavaFX | TensorFlow |
Database: | MySQL | DynamoDB | Netezza | DB2 | Oracle | MS Access | **OS:** | MacOSX | Windows |

PROFESSIONAL WORK EXPERIENCE

- Data Analyst Software Engineer at USAA (HCL America)** **June 2019 – Present**
- Developed a tool which identified 1.3 Million Sensitive Payment Card Information throughout the office and masked the same thus keeping the company PCI Complaint.
 - Automated reoccurring tasks by creating python executables reducing time required for manual data analysis and processing by over 70%.
 - Collaborated with different business stakeholders and helped them take data driven decisions based on PCI standards.
- Teaching Assistant at Ira A. Fulton School of Engineering, Arizona State University** **May 2017 – May 2019**
- Taught students the basics of **World Wide Web, Risk Management, Risk Mitigation** and **Agile Methodology** using **Slack, GitHub** and **Taiga** throughout the software development process leading to a 15% increase in capstone project quality and grades. Collaborated with students to create Project Charters and Road Maps to create a deliverable software product.
- AWS Summer Intern at Chenoa Information & Software Services, New Jersey.** **May 2018 – August 2018**
- Lead a team of 3 programmers working on **AWS** (Amazon Connect, Lex, DynamoDB, Amazon Lambda and EC2 instance) to create an end to end application which takes voice and text inputs, authenticating and validating the patients, after which a medical interview with specific questions is conducted by the IVR System, hence automating the process. The voice bot currently supports three accents and interprets voice inputs with a success of 80% using **Python & JavaScript**.
- Software Developer at Chenoa Information & Software Services, Mumbai** **May 2015 – October 2015**
- Worked on the front-end team designing the user interface of a Fortune 100 Medical Company using **HTML, CSS, JavaScript**. Wrote store procedures and implemented token-based authorization ensuring the security of the Website.

PROJECTS

- MultiModal Detection of Affective State:** <https://github.com/sanaydevi/MultiModalAffectiveState> **Jan 2019 – April 2019**
- Led the project in developing a **Java** multiple server and client application to simulate real-time inputs from users and predicting their current mood with an accuracy of 95%. **Python** with **Keras** used for developing the model.
- PacMan game- Artificial Intelligence :** <https://github.com/sanaydevi/SARSA-PacMan-Project> **July 2018 – Dec 2018**
- Developed an AI agent which would predict the next best move based on the current state using **Min Max Algorithm, Alpha Beta Pruning & Markov Decision Process**. Compared SARSA with Q-learning achieving a 7% improvement.
- Detection of hand movements used by deaf people:** <https://github.com/sanaydevi/DATAMINING> **Jan 2018 – May 2018**
- Performed feature extraction and feature selection using PCA. Designed classification machines to separate the hand gestures as useful or not using Decision tree, SVM and Neural Nets in **MATLAB**.
- Scrum Evaluation Tool:** <https://github.com/sanaydevi/ScrumEvaluationTool> **Dec 2018 – March 2019**
- Software Analytics tool to track Taiga and Github Activities of users using **JavaScript, TypeScript, React.js** and **API calls**