

## EDUCATION

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- MS in Computer Engineering (Computer Systems), Arizona State University** **Jul 2016 – May 2018**  
**Coursework:** Algorithms, Artificial Intelligence, Database Management, Data Mining, Data Structures, Mobile Computing, Software Security, Statistical Machine Learning
- B. Tech in Electronics and Communications Engineering, VIT University (India)** **Aug 2012 – May 2016**
  - Head of Technology at Technology and Gaming Club

## EXPERIENCE

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- Backend Software Engineer** **SimpleCitizen, Salt Lake City, UT** **Nov 2019 – Present**
  - Designed and created new software features for the single page application using Python3, Django, GraphQL, PostgreSQL and Rest API's.
  - Modified existing database models to increase performance efficiency of CRUD processes that had complex cascading designs.
  - Implemented Single Sign On and Multi-Factor authentication using SAML for the enterprise side of the application.
- Jr Python Developer** **MarketDial, Salt Lake City, UT** **Jan 2019 – Nov 2019**
  - Complete ownership of ETL workstreams; designed and developed complex data pipelines and maintained data quality
  - Optimized existing ETL processes and implemented a dynamic method of file selection for data loads.
  - Developed and maintained Python scripts and SQL queries to load 'clean' data into a PostgreSQL DB.
- Teaching Assistant** **Trilogy Education Services, Charlotte, NC** **Nov 2018 – Jan 2019**
  - Assisted participants of the Data Analytics Bootcamp at UNC Charlotte with various technologies like Python, JavaScript, HTML/CSS, Machine Learning and many more.
  - Supported the instructor of the ongoing class with content delivery and grading of homework and projects.
  - Aided participants in reaching technical milestones thus inculcating a developer mindset in them.
- Software Developer(Part-time)** **Stealth Gaming, Vellore** **May 2014 – May 2016**
  - Made the website and implemented a web-based user management system using HTML, CSS, and JavaScript.
  - Maintained technical infrastructure and developed marketing solutions to increase revenue and customer loyalty.

## SKILLS

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- **Languages:** Python3, PostgreSQL, BigQuery, JavaScript, Kotlin, HTML5, CSS3,
  - **Web Technologies:** Django, GraphQL, REST API's, Flask, Bootstrap, jQuery, JSON, MongoDB
  - **Frameworks/Libraries:** PyTest, PyParse, scikit-learn, numpy, Pandas, matplotlib, faker
  - **Tools & OS:** Git, Linux, Windows, Agile ( Scrum ), PyCharm, Google Cloud Services, AWS

## PROJECTS

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- Airbnb New User Booking prediction:**  
(Tools: Python, scikit-learn, Numpy, Pandas, matplotlib)
  - Created a classification model that predicted to which country a new user will make their first booking.
  - Performed feature engineering and statistical analysis on the raw data, obtaining relevant insights.
  - Programmed a blended ensemble of traditional classifiers (KNN, SVM, Logistic Regression) to enhance the performance of the model and compared this with traditional classifiers and XGBoost classifier.
- Capture the Flag(CTF) Software Security Model:**  
(Tools: Python; PHP; HTML5; JavaScript; MySQL)
  - Built tools and scripts to prevent various cybersecurity attacks like Buffer overflow, Path, SQL injection and Format string for a capture the flag event competing against other teams.
  - Implemented a model to find XSS vulnerabilities in a website and automated XSS attacks, SQL injections on the other teams.