Chintan Panchamia

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EDUCATION

North Carolina State University – GPA: 3.48 **(Aug 2015 – May 2017)**

Master of Computer Science, coursework: Software Engineering and Design, Human Computer Interaction, Algorithms, Algorithms for Data Guided Business Intelligence and Machine Learning, Game Building AI, Database Management Systems

University of Mumbai – GPA: 3.3 **(Aug 2011 – May 2015)**

Bachelor of Computer Engineering

SKILLS

Core: Java, Python

Web: JavaScript, HTML5/CSS3, Node.js, MySQL

Frameworks: Bootstrap, Django, Flask, Selenium, JUnit, Angular, jQuery, Knockout, REST API design

Tools: AWS, Vagrant, Ansible Playbook, Docker, Processing, Adobe CC, Balsamiq, Sketch, Android Studio

EXPERIENCE

Jacobs Engineering Group – SDE Intern **(Jun 2016 – Aug 2016)**

- Delivered an open-sourced virtualization solution over the cloud using OpenStack, OpenVPN, OpenProject, GitLab & ProjectWiki
- Achieved positive UX for the portal system after extensive user-testing and prototyping (Django, HTML5/CSS3, JavaScript)

PROJECTS

•2017•

Kiosk for DrChrono users (Django, HTML5/CSS3, Bootstrap, DrChrono API)

- Added a new functionality for Doctors using the said service to manage their appointments and have the patient check-in to show up for their slot and update any information while they are it

Job Tracker (Django, HTML5/CSS3, jQuery)

- Improving a Django application that promotes ease of profile-specific job applications and status tracking

Movement-based and Decision-making AI (Java, Processing)

- Generated various AI behaviors to develop an aesthetic visualization of NPC movement and decision making
- Achieved improved understanding of game physics with a prize for developing a thematic clock AI imitating a Wolfpack

•2016•

DockerBot (Node.js, Java, HTML, Selenium)

- Delivered a Slack Bot for creating Docker files and images of any desired environment; Achieved improved developer satisfaction

Sharks, Citizen Science Website for Middle School (Flask, Bootstrap, jQuery, HTML5/CSS3)

- Enhanced the UX/UI for the Citizen Science web-app for Middle School students, now handling 100+ users
- Introduced features for interactively finding shark teeth in a sea of dry debris and measuring them with authentic apparatus
- Achieved unified learning by adding a statistical distribution, followed by extensive user testing

Business Intelligence Project-suite (Python, Apache Spark, Kafka)

- Gained knowledge of BI algorithms used in the professional world by implementing projects on a variety of topics including but not limited to Bayesian Regression on Bitcoin values, weather-forecasting, sentiment analysis, recommender systems

•2015•

University Library Database Application (Java, Swing, MySQL, Oracle 10g)

- Reimagined the Hunt Library DBMS application with the ability to reserve rooms, books, cameras, journals and papers
- Achieved positive results in scalability and transaction integrity by successfully managing resources for 50 users at a time

Ink – A Social Network for Authors and Writers (Bootstrap, jQuery, HTML5/CSS3)

- Applied the UI/UX design principles put forth by Norman and Nielsen, along with analysis techniques such as the Keystroke Level Model, and the GOMS analysis technique, to come up with an effective User Interface, devoid of most design flaws

Box-office success prediction (Python, Twitter-Streaming API, PHP, HTML5/CSS3)

- Designed a web application that uses the Twitter Streaming API to monitor certain types of tweets to be processed later by a two-stage sentiment analyzer using Naïve-Bayes, and ID3 for prediction
- Achieved 85% accuracy on a set of upcoming Bollywood movies at the time, along with positive reviews for the quality of the dashboard

PUBLICATION

Feed Optimization System based on Quality Filtering – *International Journal of Computer Applications 106.1 (2014)*

- Devised an algorithm for quality oriented curation of data on social networking websites
- Identified and estimated parameters and utilized linear regression to predict content relevance to user (Java, MySql, Hadoop)