

NUPUR DICHWALKAR

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EDUCATION

Masters of Science (Computer Science)

Stony Brook University, New York

Dec 2015

Bachelor of Technology (Computer Science)

Veermata Jijabai Technological Institute (VJTI), India

May 2012

SKILLS

Programming Languages:	C++, Python, C, Java, JavaScript
UI Languages:	HTML5, CSS3
Operating Systems:	Linux, Windows
Databases:	MySQL, Oracle, DB2
Others:	Flask, Bootstrap, Elasticsearch, Latex, Visual Studio, Eclipse, GIT, jQuery

WORK EXPERIENCE

InAppAd

Software Developer Intern -Python

Jun' 15 - Aug' 15

New York City, NY

- Created **RESTful APIs** for web services with defined request-response message system, user authentication & data-logging.
- Collaborated with other team members for integration of the server-side APIs with Client-side APIs, UI and DB (MySQL and Elasticsearch)

SAP Labs India Pvt Ltd

Developer Associate - SAP Workforce Performance Builder (WPB) - C++

Jun' 12 - May' 14

Bangalore, INDIA

- Created new features for developing high end recognition for recording context sensitive userhelp and rapid e-learning.
- Investigated about advantages of OCR for the product and implemented its integration for text recognition in 28 different languages.

PROJECTS

Sentiment Analysis on twitter data (NLP) - Python, HTML5, JavaScript

Feb' 15 - May' 15

- Analysed the twitter data and predicted its sentiment as positive, negative or neutral for a given query.
- Designed a sentiment analysis tool that allows you to discover the sentiment of a brand, product, or topic on Twitter.

Friend Recommendation for Facebook Data (Social Networks) - IPython and Java

Feb' 15 - May' 15

- Analysis of friend connections on Facebook and prediction for potential friends using personalized page rank algorithm.

Prediction using Data analytics (Data Science) - IPython, Machine Learning

Aug' 14 - Dec' 14

- Predicted birth weight of an expected baby of a 28 year old mother by studying the various factors that affect child birth.
- Analysed the data gathered from **Vital Statistics Data** on Births and implemented various **regression models** in order to get the relevant results.

Add users and access control to JOS operating system (Operating Systems) - C, JOS, GIT

Aug' 14 - Dec' 14

- Enhanced the JOS by adding different types of users(owners, groups and others) giving the proper authentication and password protection.

SAP Employee Dashboard (SAP DKOM Competition) - HTML5, CSS3, Javascript

Feb' 14 - Apr' 14

- Devised an interactive Dashboard for the SAP Employees for registering various events, getting frequent updates, uploading their presentations for the event, giving a detailed analysis to the administrator about the participation for each event.

Plagiarism Detection tool (Final Year Undergrad Project) - C++

Jan' 12 - Apr' 12

- Programmed a tool to detect the amount of plagiarism in various different documents using **Aho-Corasick** string matching algorithm on the data available online as well as maintaining an offline database.

Manage Group of Hotels (IBM TGMC'11) - HTML5, IBM RAD, IBM DB2, Javascript, CSS3

Jun' 10 - Mar' 11

- Developed a centralized system to manage group of hotel and integrate customer services like online & any place booking.

ACHIEVEMENTS

- **SAP Most Popular Hire 2012** amongst 500 new hires.
- Actively participated in **Social Work** organised by SAP Labs India under CSR (Corporate Social Responsibility).
- **Ratan Tata Trust Scholarship** for outstanding performance for the academic year 2011 - 12.