

• EDUCATION

- **Master of Science (MS), Computer Science** **Graduation: May 2018**
State University of New York (SUNY) at Albany, New York, USA **GPA: 3.50/4**
- **Bachelor of Engineering (BE), Information Technology** **Aug 2012- May 2016**
Gujarat Technological University, Ahmedabad, Gujarat, India **CGPA: 8.20/10**

• TECHNICAL SKILLS

Programming Languages: Java, MVC, Hibernate, JDBC, JSTL, C, C++, Python
Web Technologies: HTML5, CSS3, XML, JavaScript, JSON, jQuery, AJAX, TypeScript, AngularJS-4, TinyMCE
Database/Middleware: MySQL, Oracle, NoSQL – Mongo DB (Basic)
Tools: Eclipse, NetBeans, PyCharm, SQLYog, PostgreSQL, MySQL Workbench
Development Life Cycle: Agile Software Development- Scrum, Waterfall Model
Cloud Technologies: Amazon Web Services - EC2

• PROFESSIONAL EXPERIENCE

• SOFTWARE DEVELOPER INTERN

New York State Department of Environmental Conservation

Feb 2017- Present

Project: *Water Information System (WIS)*

- Working in a team to design and implement a software where large data is transformed in a user-friendly manner using front end technology Angular JS, HTML, CSS. Back end technologies Java, Servlet, JSP and Oracle, SQL Database.

Project: *Management of Cloud-based Data Repositories*

- Working on a Java project to manage cloud-based data repositories using Dropbox API V2, Dropbox SDK 3.
- Working on running batch files to create those folders and upload files in virtual drive of department.

Project: *Data Analysis of Different Division's Database*

- Data Analysis (Processing and forecasting) of Division of Water's large datasets using Python. Data Visualization and Outlier detection of Water pollutant data. Reporting and Assessment of data using various SDKs and APIs for Federal Government (EPA).

• RESEARCH ASSISTANT

University at Albany, State University of New York (SUNY)

Aug 2017- Present

Project: *Knowledge Forum 6*

- Working on kf6 project which is an educational software designed to help and support knowledge building communities. Responsible for UI/UX development and Data Analysis.
- Allowing students to add images, record an audio, use of font formats. Also, allowing them to add Math Symbols and Equations. Allowing students to draw a diagram/tree by selecting different colors and background.
- Adding multiple features for students to add, edit and create different charts and graphs according to given inputs in TinyMCE by creating custom plugins.

• GRADUATE TEACHING ASSISTANT

University at Albany, State University of New York (SUNY)

Jan 2017- May 2017

- Worked as a Graduate Teaching Assistant under Prof. Pradeep Atrey at SUNY Albany to gain sufficient knowledge about all the concepts of Java Programming Language in depth
- Obtained materials needed for classes, including texts and other materials, delivered lectures, met with students during office hours and helped professor to develop course plans

• SOFTWARE DEVELOPER INTERN

Softvan Pvt Ltd

July 2015- May 2016

- Complete conceptual understanding of Web development from quoted queries by customers
- Developed multiple web applications using front end technologies HTML5, CSS3, JavaScript, Back end technologies Java J2EE, Python, Servlet, MVC Framework and MySQL Database.
- Deployed those applications on Amazon EC2 instance or S3 Buckets.

• SOFTWARE DEVELOPER INTERN

vMakeIT Solutions Pvt Ltd

July 2014- July 2015

- Full Stack Web Development according to client's requirements.
- Developed several Java J2EE Web applications using front end technologies HTML5, CSS3, JavaScript, Back end technologies Java J2EE, Python, Servlet, MVC Framework and MySQL Database on Amazon EC2 instance or S3 Buckets.

▪ ACADEMIC PROJECTS

• **CENTRALIZED EMPLOYEE MANAGEMENT SYSTEM**

Mar 2017 – May 2017

- Java MVC based web system, which provides managers to create any number of directories and can restrict the access of those directories, there can be any level of manager- employee hierarchy, manager can also assign bonus to their immediate employees. Manager can manage leave request. Admin can assign Manager to newly registered employees. Admin responsible to run payroll
- Employee can request for leave, view/upload files to all the directories if he/she has directory access
- Link: <https://github.com/PrajapatiPrasang/CEMP---Centralized-Employee-Management-System>

• **MAKAN – APARTMENT MANAGEMENT SYSTEM**

Jan 2017 – May 2017

- Developed Java based Apartment Management System using which a user can schedule an appointment, request to rent **a property, request for a service and can pay their monthly rent and bills of request services**
- Link: <https://github.com/PrajapatiPrasang/Makan---Apartment-Management-System>

• **NYC YELLOW TAXI TRIPS- RECOMMENDATION SYSTEM**

Jan 2017 – May 2017

- Python based recommendation system which allows us to analyze total number of trips, maximum amount of Tip, Longest trip from various locations using Kaggle dataset by NYC Taxi and Limousine Commission
- Link: <https://github.com/PrajapatiPrasang/NYC-Yellow-Taxi-Trips---Recommendation-System>

• **GAMING- RECOMMENDATION SYSTEM**

Jan 2017 – May 2017

- Python based recommendation system which allows to analyze the conceptual data from Twitter for Gaming. It provides user to play which game according to their previously played games and their basic interests
- Link: <https://github.com/PrajapatiPrasang/Gaming---Recommendation-System>

▪ CERTIFICATIONS AND ONLINE COURSES

- [Java SE & EE \(Aptech\)](#) (038049)
- [C Programming \(C-DAC\)](#) (GNA03-12385517)
- [C++ Programming \(C-DAC\)](#) (GNA03-12385516)

▪ PROFESSIONAL REFERENCES

- Karen Stainbrook, Research Scientist, Division of Water
New York State Department of Environmental Conservation
Karen.stainbrook@dec.ny.gov | (518) 402-8095
- Bradd Larson, Environmental Program Specialist, Division of Water
New York State Department of Environmental Conservation
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