

# Palash Jain

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## Education

**Master's in Information Technologies and Management**, Illinois Institute of Technologies, Chicago, IL **GPA: 3.8/4** **May 2020**  
**Bachelor's in Information Science and Engineering**, SJB Institute of Technology, Bangalore, India **June 2016**

## Technical Skills

<b>Web Technologies</b>	HTML, CSS, XML, Bootstrap, AJAX, jQuery, Bower, Grunt, Gulp, LESS, SASS, JSON
<b>Frameworks</b>	React Js, Angular, Angular.JS, Node.JS, D3.JS
<b>Programming Languages</b>	JavaScript, TypeScript, Python, Java, Android, C#, Objective-C
<b>Methodologies</b>	Agile, Waterfall, TDD
<b>Debugging Tools/Testing</b>	Firebug, Bugzilla, W3c validator,
<b>Build Tools/Repository</b>	GIT, TFS, SVN, Jenkins
<b>Operating Systems</b>	Windows, Linux, Mac OS X
<b>Databases</b>	Oracle, MongoDB, SQL Server, MS Access, MySQL

## Work Experience

**Illinois Institute of Technologies, Chicago, IL**

*May 2019 to May 2020*

**Teaching Assistant for Rich Internet Applications and Open Source Programming**

- Involved designing in WebPages using **HTML5, CSS3, JavaScript, Bootstrap, SASS, LESS, React JS, Redux, Flex, Mongo DB**.
- Also arranged weekly sessions to clarify doubts and **increase learning speed by 60%** for more than 60 students.
- Teach **Advanced Python** course to more than 120 students and assist them to develop projects and assignment which **improved learning speed by 60%** by developing Study Material, Executable Programs and Arranging open doubt clearing Session.

**Freight Management Inc., Glendale Heights, IL**

*June 2019 to Aug 2019*

**Full Stack Developer-Summer Intern**

- Develop software for Tariff Management System using **Python script, Pandas, pyodbc**, to perform data cleaning and transformation of invoice data and store it in a secure database server.
- Design and develop a database using DBMS principles to store the data from the Tariff Management System using **SQL server 2017**.
- Design the user experience and user interface Tinker to improve the data entry experience and **improve the business workflow efficiency by 80% and reduce cost by \$2000**.
- Coordinated** with Data Analyst , Technical Head to evaluate and improve software and hardware interfaces.
- Reviewed code, debugged problems and corrected issues.

**SAP, Bangalore, India**

*Mar 2017 to April 2018*

**Software Test Engineer - Performance Testing and Quality Analyst**

- Perform performance testing using benchmark tools like **HP LoadRunner, Jenkins** which simulates VuGen scripts which empowers testing.
- Initiate high-level, low-level design documents and develop **UI automation** modules based on requirements independently and in- teams.
- Integrated **GIT** into **Jenkins** to automate the code check-out process.
- Designed, executed and maintained automated test scripts for in-project deployment.
- Assessed application patches and updates at development, testing and quality assurance stages.
- Developed and executed QA test cases, scripts and procedures for automated software maintenance.
- Worked in **Agile** environment, had attended biweekly sprints and daily scrum.

**ZesTech, Bangalore, India**

*Sept 2016 to Dec 2016*

**Technical Intern in PSET Programming Skills Enhancement Training program**

- In PSET Programming Skills Enhancement Training program Collaborate and assist in developing projects for Students enrolled in undergraduate program to gain more hands-on experience in programming languages such as **C, Java, HTML, CSS, JavaScript, Git**.
- Maintained atmosphere of academic learning and advancement to facilitate learning and development of critical thinking skills.
- Prepared lessons according to course outline to convey all required material and deepen student understanding of subject matter.

## Personal Project Experience

### **Corona Tracker** [https://palashjain2801.github.io/Corona\\_website\\_react/#/](https://palashjain2801.github.io/Corona_website_react/#/)

*April 2020 – May 2020*

- Develop an intuitive and user-friendly website for live tracking of COVID-19 cases in 108 countries. Develop using **Redux** and **ReactJS components** to call the **Mathdroid API** and display the data in a graphical format. Mobile Responsive design the user interface using **MaterialUI**. Create repository for source control using **Git** and deploy the application on **Netlify**. Tested application using **Jest and Enzyme**.
  - Making changes to the existing web applications and creating new components using React JS
  - Built a single page application using the building blocks **pure components, carousels, forms, routers**, etc.
  - Leveraged **React.JS** resources for all data access, encapsulating **URLs** and standardizing data access interfaces.
  - Implemented Responsive Web Design using **Flexbox, HTML5, SCSS**
  - Designed and implemented server-side **RESTful** web services using **Node JS** and handled communications to the client side (React JS) using **JSON**.
  - Documented all technical specifications and testing methods for Corona Tracker project for future reference and use in other assignments. [https://github.com/palashjain2801/Corona\\_website\\_react](https://github.com/palashjain2801/Corona_website_react)
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### **Cloud Native Application** <https://github.com/illinoistech-itm/pjain24/tree/master/ITMO-544/MP2>

*Aug 2019 – Dec 2019*

- Developed Imaging Processing Application and deployed using 3 tier cloud native application architecture using various **Amazon Cloud Services** such as **Auto-Scaling, EC2, RDS, Cloud based database(Dynamo DB), SNS** and **Lambda function** to process raw image and storing processed image in different S3 Bucket.
  - Planned, implemented and integrated updated system-oriented projects.
  - Analyzed requirements and implemented systems to deliver comprehensive system development life cycle solutions.
  - Studied network security logs to identify and eliminate possible outside and internal threats.
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### **Digicart**

*Aug 2019 – Dec 2019*

- Used agile practices and Test Driven Development techniques to provide reliable, working software early and often.
  - Developed responsive client-side application to integrate with server side using **HTML5, JavaScript, Angular JS, Node.js** and **Bootstrap**.
  - Develop a robust and dynamic website to display information fetched from **Datafiniti and Twitter APIs** in a clean and user-friendly way so that the users can make informed decisions when shopping for popular gadgets. This project deals with the development of the object-oriented enterprise web application using **AJAX, Servlets, JSP, HTTP protocol, XML/HTML, Sessions/Cookies, JDBC, and Multi-threading**.
  - Used **AJAX** to reduce the network load and update only the certain components of the website.
  - Developing build and deployment scripts using **MAVEN** as build tool in **Jenkins** to move from one environment to other environments.
  - Debugged the application using Chrome **Inspector, Firebug, IE Tester** and many other debugging tools.
  - Managed both backend and frontend aspects of the development process.
  - Developed **Model View Control (MVC)** framework that served as cornerstone for highly successful web applications strategy.
  - Produced high-impact, user-friendly websites that accomplished all business goals.
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### **City Planner Website Using Yelp API** (<https://github.com/palashjain2801/CityPlannerWebSite>)

*Aug 2018 – Dec 2018*

- Develop a web application that leverages **Yelp APIs** to allow users to build efficient trip itineraries based on their inputs and preferences. **HTML5, Bootstrap, JavaScript, Node JS, Express, MongoDB, Jest**, pug, OpenLayers Maps were used to develop itineraries trip.
  - Coded user-customizable applications to convert raw data from design engine to easily understandable graphical formats.
  - Validated code for proper structuring, security and compatibility with different browsers, devices or operating systems.
  - Determined project technical needs and coordinated specifications and requirements.
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### **SplitTask (Android Application)**

*Jan 2019 – Apr 2019*

- Developed a home friendly **Android application** that performs the task of maintaining the record of work distributions. The app frees the user from the plight of maintaining a tabbed board on the tasks performed by the home members. Linking the application to **Google calendar API** helps in providing updates and reminders to the user on the group on the allocation of tasks and deadlines for finishing the tasks. Users and Task details are stored in **Firestore** and Users are verified by **Email Verification in Firebase Auth**.
- This Application Helps users to
  - Create Account with Verification
  - Create Group Add Users
  - Create Task, which gets assigned to Users and Group
  - Split Task among all users in Group