

PANKAJ UCHIL

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PROFESSIONAL SUMMARY

Experienced software developer with a Master's degree in Information Technology. Experience in building websites, desktop applications, bots and VR experiences. Links: <http://www.pankajuchil.com> | <https://github.com/jaknap>

EDUCATION

Rochester Institute of Technology, Rochester, NY | *MS in Information Sciences and Technology; GPA: 3.45* **May 2018**

- **Courses:** Client Side Programming, Hybrid Mobile Apps, NLP, Machine Learning, Databases.
- **Research:** Android application for Google Glass, WebVR project using A-frame.

University of Mumbai | *B.Eng. in Computer Engineering; First-Class*

July 2013

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (ES6), C#, HTML5, CSS3, C++, Java, R, Swift, Arduino.
- **Servers:** Apache, Unicorn, Nginx.
- **Databases:** MySQL, NoSQL, GraphDB.
- **Tools:** Heroku, InVision, CMS, Sketch, Photoshop, Git, AWS, Webpack, Google Cloud.
- **Frameworks:** Node.js, React.js, Three.js, jQuery, Flask, d3.js, Cordova, Bootstrap, SASS, Wordpress.
- **Strengths:** Web Development, APIs, Social Media Bots, Data-Driven Applications, Mobile Web Apps, MVVM.

EXPERIENCE

Server Developer/Software Engineer (Solutelia, Aurora, CO)

Aug 2019 – Present

- Upgraded and administered the internal software application development process to streamline the existing applications suite, helping improve response time on the servers. Built new features on both the frontend and backend to remotely send commands to mobile devices connected to the servers.
- Used Node.js, React.js, Python and C# in the development process for desktop and web applications.

IT Solutions Engineer (Pivcon, Rochester, NY)

Dec 2018 – Jul 2019

- **Conduit Calculator:** Led the development of a Calculator application in React.js for a plastic pipes client to measure the safety factor of pipe width in building constructions. Supports live reloading of results based on dynamic user inputs.
- **PS2000 Kiosk:** Modified the user-interface of a medical kiosk to dynamically update camera output using sliders and buttons. Developed using WebSockets and Angular.js

Creative Developer Intern (The Martin Agency, Richmond, VA)

Jun 2018 – Jul 2018

- **Agency Visualizer:** Planned and executed a geo-visualization project using Mapbox, Leaflet.js and Pandas to process raw Google Locations data. Users can see live animation of people from the agency moving around in the map to inform visitors about interesting spots to visit in Richmond.

Creative Technology Intern (HUSH Studios, New York City, NY)

Jun 2018 – Jul 2018

- **Facebook Data Visualization:** Built a data visualization from the CrowdTangle API, creating insights into the hashtags popular on Facebook over a time period. Developed using Python data visualization libraries
- **Facebook VR Experience:** Delivered a VR experience to the design and architecture team, to facilitate visualization of an outdoor location for an interactive installation. Used Unreal Engine 4 to create an interactive model from 3D assets.

Creative Technologist (AgencyDigi - Now Digital Street, Mumbai, India)

Nov 2014 - Jun 2016

- **Twitter NAV Service:** A Twitter Bot that sends the user a Direct Message with the current NAV of funds. Developed using Python, scraping JSON and XML data from custom API. Collaborated with team to configure cron-job for data.

Academic and Personal Projects

Tweet Relevance Classifier: Python project developed with a team of three; Work involved web scraping to store data in MongoDB, and producing a list of trends with each containing a list of tweets by celebrities, classified according to their category depending on the keywords in the tweets. [https://github.com/jaknap/tweet_relevance]