PALASH PANDEY

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EDUCATION

Anticipated Jun '22   **Drexel University**   *Philadelphia, PA USA*
Bachelor of Science –Data Science   *GPA – 3.93*

RELEVANT SKILLS

- <u>Programming:</u> OOP in Python and JavaScript, JS libraries, CSS3, HTML5, SQLite, R (shiny), Selenium, Pandas, Tensorflow, Keras, Django, Sympy, Dash, Jupyter, LaTeX, PostMan, Apiary,
- <u>Databases:</u> MS SQL Server, SQLite, PostgreSQL, Mongo DB
- <u>Tools:</u> Dia, NetBeans,Qlik sense server, SQL server, Jira, EPIC (Clarity, Selectrus), Digital Ocean, Google Firebase, Cloud, Microsoft Excel, Visio, Jenkins
- <u>API:</u> ServiceNow, Jira, Qlik Engine, QRS, Twitter, Google Maps, Places, Fit
- <u>Languages and development:</u> Git, Agile, Scrum, Test Driven Development,Continuous Integration/ Development

EXPERIENCE

Sept '18 – March '19   **Thomas Jefferson University Hospital**   *Philadelphia, PA USA*
Business Intelligence Developer/Analyst

- <u>Python Workshop</u>
  - SQL/Qlik developers needed to learn python to deliver on research requests
  - I along with a senior developer, started a weekly python workshop as part of continuous eduction program to educate SQL developers on data analytics and visualization through python
  - Nominated for Drexel Coop award (results pending)
- <u>Service Now Analytics Project</u>
  - Created a Qlik Sense data model based on analysis of the end user workflow for IT service management platform throughout the enterprise
  - Developed a Qlik Sense application with visualizations for different levels of granularity track.
  - Presented application to Jefferson University Executive Team and put application into production system for them to use
- <u>Clarity & Selectrus Versioning Application</u>
  - Wrote a python program to extract and upgrade SQL scripts
  - Saved 100+ man hours by automating the quarterly upgrade process
- <u>Qlik Sense Server Projects</u>
  - Developed a python script to monitor data access for over 10,000 end users enabling the IT management to govern data and purge inactive accounts
  - Automated Qlik reports through engine and Qlik Repository Service APIs
  - Created and maintained mashups from different Qlik applications
- <u>Bitbucket Continious Integration/ Development</u>
  - Set up continuous integration/ development for Bitbucket server code repository using Jenkins and webhooks

Technologies And Methodologies: Qlik, Python, Node.js, EPIC, Jenkins, Qlik APIs, Excel, Agile, Scrum

April '18 – Sept '18   **Project One Inc.**   *Philadelphia, PA USA*
Backend Engineer

- 'Project One' is a Drexel incubated startup aimed at using machine learning to help college freshmen learn math by identifying their weaknesses and working on their fundamentals
- Built algorithms to generate math questions and serve them using a REST API in test-driven development methodology
- Created user and question data models, Assisted with authentication and stripe payment portal set up

Technologies And Methodologies: Django, Apiary, Node.js, Scikit learn, Keras, Test Driven Development

Sept '16 – March '17   **Skill Maestro**   *Indore, MP India*
University Application Counselor

- Tutored a class of 20 students on the math and critical reading sections of the SAT
- Reviewed and edited statements of purpose for admissions, helped multiple students secure scholarships

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Research Experience

April '18 – Sept. '18	**Drexel University College of Computing and Informatics** *Philadelphia, PA USA*

<u>STAR Scholar</u>
- Researched gender bias in peer review in scientific publications
- Used NLTK for sentiment analysis and created a model to predict the authors' gender from their names
- Presented at STAR scholars' showcase, research was featured by CCI and appreciated by the university president

Technologies Used: Python, Jupyter Notebooks, Tableau, NLTK, Scikit-learn

July '16 – Oct. '16	**SSRG International Journal of Electronics and Communication** *Indore, MP India*

<u>Research Author</u>
- Conceived and designed a standalone device to transfer data between two USB devices targeted towards eliminating inefficiency
- Collaborated with another researcher to propose the hardware architecture

PROJECTS

Nov '18	**WalkLoc** *Philadelphia, PA USA*

<u>Android Developer & UI/UX designer</u>
- Created android application at Jefferson Health Hack, a healthcare focused hackathon
- The application locks users' leisure applications till they reach a set fitness threshold motivating them to be more active

Technologies Used: Java, Google fit API

Jun '18	**Comfy- Making the world accessible (Google best UI)** *Philadelphia, PA USA*

<u>UI designer, Web developer</u>
- Made a cross-platform web application in a span of 24 hours and won "Google-Best User Interface" award at PhillyCodefest out of 850 participants
- Was invited to Google HQ in New York for an all-expense paid tour and resume consultation
- Comfy provides people with information regarding accessibility and special needs accommodation so that they can make educated decisions about their travel

Technologies Used: HTML5, CSS, JavaScript, JQuery, Firebase, Google Places, Maps APIs

RELEVANT COURSEWORK

• Computing & Informatics Design I, II,	• Web Systems and Services	• Introduction to Analysis I,II
• Introduction to Information Systems	• Applied Data Management	• Computer Programing I, II
• Techniques of Speaking	• Discrete Computational Structures	• Intro to Information Technology

ACHIEVEMENTS

- Dean's List – Fall 2018, Winter 2018, Spring -2018
- Star Scholar – Summer 2018
- Dean's Scholarship- Drexel University 2018, 2019
- Jury Choice Award- Big Idea Contest Acropolis Institute of Technology, Fall 2016

EXTRACURRICULAR ACTIVITIES

- Peer mentor College of Computing and Informatics
- Member of D-Hack Hackathon Club, Drexel University
- Member of Cyberdragons, Drexel University
- Volunteer at NGO 'Chosen 300', served food to homeless people in the inner city