**Udit Pathak**

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**Senior Build and Release Engineer**

*DevOps Engineer and Web Application developer with a piqued interest in Data Sciences/Machine Learning.*

*Looking for a change of pace and technology. Completed Post Graduate Diploma in Data Sciences from IIIT Bangalore. Pursuing PGDM from IIM Lucknow.*

**TECHNICAL SKILLS**

**Languages & Frameworks**: Python3.7, Java8, JavaScript (ES2016), HTML5/CSS3, Shell Script, SQL (MySQL5.6),

Apache Hadoop, Apache Spark, Apache Hive, Wordpress.

**Tool:** Tableau, MS Excel, Docker, Apache Tomcat, Apache HTTP, IBM WAS, Jenkins, Git, Subversion, Eclipse,

IntelliJ, LAMP stack, Azure Devops, AWS EBS, AWS EC2.

**Python libs**: Scikit-Learn, NumPy, SciPy, Matplotlib, Pandas, StatsModels, Tensorflow, Keras, Seaborn

**Statistics/ML**: Linear/Logistic Regression, Ensemble Trees, Gradient Boosted trees, k-Means, ANN, CNN, RNN

**KEY SKILLS**

• Data Analysis • Leadership & Training • Software Development • Project Management • Process Improvement • Cross-functional Coordination • Data Visualization • Predictive Modelling & Analytics • Web Development • Automation development

**EDUCATION**

* Enrolled in **Post Graduate Diploma in Management** | **IIM Lucknow** | Apr ’20 – May ’22 | Noida, IN
* **Post Graduate Diploma in Data Science** | **IIIT Bangalore & upGrad** | Mar ’19 – April ’20 | Noida, IN
* B. Tech – **Electronics & Communication Engineering | Birla Institute of Applied Sciences** | Bhimtal, IN | Jun ’11 – May ‘15

**KEY DATA SCIENCE PROJECTS & CASE STUDIES**

**Domain: Electronics |** *Tech Stack*: *Python, Jupyter Notebook* | Feb '20

* *Objective*: To create an NN model to recognize hand gestures and perform related tasks.
* *Solution*: Designed a **3DConv NN** to predict the gestures correctly.
* *Key Achievement:* Achieved a **categorical accuracy of 77%**.

**Domain: Finance |** *Tech Stack*: *Python, Jupyter Notebook* | Apr '20

* *Objective*: Build an ML model to actively detect fraudulent credit card transactions
* *Solution*: Designed **logistic regression, random forest and K-means clustering models** and compared for best results. Random forest showed better results.
* *Key Achievement:* **AUC Score of 0.90.**

**Domain: Telecommunication |** *Tech Stack*: *Python, Jupyter Notebook* | Nov '19

* *Objective*: Predicting whether a high-value customer will churn and identify strong predictor variables.
* *Solution*: Used **PCA** for dimensionality reduction and **Random Forest** for modelling.
* *Key Achievement:* **AUC score of 0.82.**

**Domain: Sales |** *Tech Stack*: *Python, Jupyter Notebook* | Nov '18

* *Objective*: To identify most potential leads so that they can be pursued for conversion.
* *Solution*: Designed **logistic classification model using RFE** to predict most potential leads.
* *Key Achievement:* An overall **Accuracy of 0.87**

**PROFESSIONAL EXPERIENCE**

**Senior Build Release Engineer** Dec ’19 - Present

**Denave India Private Limited** Noida, IN

**Responsibilities**

* GITLab in-house server setup for versioning code and Issue tracking and management.
* Python API deployment using Docker container through Jenkins.
* Jenkins and GITLab-runners with gitlab-ci for CI/CD pipelines.
* Sonarqube for code quality check and reporting.
* Automation of complete build and release lifecycle to reduce time to app deployment.
* Automated Android app APK build and deployment to Google Play store.
* Tomcat setup for JNDI data sources for separation of concerns of app and DB.

**Software Engineer (Build and Release)** Apr ’18 – Dec ‘19

**Vcare Corporation** Noida, IN

**Responsibilities**

* Subversion server setup. Automation scripting for project integration and deployment from development environment to production.
* Secondary Linux administration. User creation and management.
* Setting up and hosting of newly acquired projects and their deployment maintenance.
* Assisted in code migration of Online Charging System from PHP to Python.

**Freelancer** Aug ’17 – Apr ‘18

**Various** Noida, IN

**Responsibilities**

* Implemented and restructured WordPress theme-based websites.
* Created digital marketing content including YouTube videos, promotional content for Facebook and Twitter. Facebook, Google and Twitter Advertising.
* Managed VPS of 3 different news and media websites (indianletter.com, jioraja.com, hindnews24x7.com).
* Set-up live feeding of articles to different content curation platforms (UCNews, Facebook IA, NewsHunt).

**System Engineer** Jul ’15 – July ‘17

**Tata Consultancy Services Limited** Noida, IN

**Responsibilities**

* Primary Admin for the build, release & deployment team at Passport Seva Project.
* Primary SVN admin. Primary Release Manager. Primary Admin for the internal ticket management tool, also maintained its database (MySQL).
* Designed and managed CI/CD scripts for development environments.
* Created & designed JAVA based Reports Generation Tool for the project’s Biz Team.
* Created interactive dashboards for different collaborating teams to report on bug fixes and local builds by environment.
* Conducted monthly BCP drills, scripted most of the tasks to achieve automation.
* Automated various processes of different tools for the build, release and deployment activity.
* Maintained maximum server uptime and resolved any and all issues on the servers.
* Managed the Project live events for major/minor releases.