Udit Pathak

pathak.udit816@gmail.com | +91 75790 90630 | Noida, IN | LinkedIn | Senior Build & Release Engineer at Denave India Private Limited

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 with IIM Lucknow.

TECHNICAL SKILLS

Languages & Frameworks: Python3.7, Java8, JavaScript6, 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.
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
Denave India Private Limited

Dec '19 - Present
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)
Vcare Corporation

Apr '18 – Dec '19
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
Various

Aug '17 – Apr '18
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
Tata Consultancy Services Limited

Jul '15 – July '17
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.