

# Prasun Kumar

## Senior Software Engineer

ML & AI Engineer with 1.5 year of experience in the domain and 5 years of experience in Python and Software Development, currently pursuing **PGDM** in ML and AI.

With my strong background in Python and software development knowledge along with extensive machine learning concepts, I am confident that I can contribute significantly any organization seeking to implement ML solution.

Seeking a position to leverage my technical expertise to design, implement, manage scalable & reliable ML workflows to ensure seamless deployment and maintenance of machine learning models

## Contact

### Address

Pune, 411046

### Phone

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## Skills

• Python	■■■■■
	Advanced
ML & AI	■■■■■
	Advanced
MySQL / SQL Server	■■■■■
	Upper intermediate
Shell Scripting	■■■■■
	Intermediate

## Highlights

- Expertise in machine learning and artificial intelligence techniques, including **deep learning, natural language processing, and computer vision**
- Expertise with data visualization tools, such as Tableau, Power BI, and matplotlib.
- Won "**Wow Award**" for "Creating Monitoring System Using **IOT**" which increased the efficiency and usage of the conference rooms across the organization.
- Colluded with **Scrum Model of Agile methodology** for day today tasks.
- Worked On Various **AWS servies** like comprehend,transcribe. trained custom model using python.
- Experienced in configuration and maintenance of High Availability for **MySQL** using different replication topologies like bi-directional/group/GTID replication.

NodeJS	■ ■ ■ ■ ■
	Intermediate
HTML5, CSS	■ ■ ■ ■ ■
	Intermediate
MongoDB	■ ■ ■ ■ ■
	Upper intermediate
DynamoDB	■ ■ ■ ■ ■
	Intermediate

## Certifications

- 2016-02  
Certified Information Security and Ethical Hacking V8 - Mar'18
- 2019-06  
  - Linux Essential Training
- 2020-01  
  - Python Essential Training
- 2020-12  
  - Flowable BPMN
- 2022-05  
  - Persuing PG Diploma In ML and AI from IIITB

## Tools

### Machine Learning

#### Frameworks

- TensorFlow
- PyTorch
- Scikit-learn
- Keras

### Version Control

- Git
- GitHub
- Perforce

- Experienced in Linux Environment (RedHat, Ubuntu) writing shell script, scheduling Cron Job. Installation and deployment of various applications.
- Experience in working on **ServiceNow** for ITSM Processes.

## Work Experience

2021-04 -  
Current

### Senior Software Engineer

*Harbinger System Private Limited, Pune*

- Trained and mentored junior developers and engineers, teaching skills in [Machine Learning](#) and working to improve overall team performance.
- Optimized API Performance by 50% using multithreading.
- Worked with development teams to correct problems and run test scenarios.
- Fine tuning of AI models using Transformers & Bert.
- Updated old code bases to modern development standards, improving functionality.
- Worked On Various AWS Services like Comprehend, Transcript etc
- As a part of R&D team explored various LXP platforms like Edcast.
- Work with AI team to develop workbench which would be useful for data parsing as NLP Reader

2019-11 -  
2021-04

### Software Engineer

*Extentia Information Technology, Pune*

Worked as a Part of G-COM(COSA) Project,

- Accountable for Managing/Writing Functions for managing new features and configurations for Accela.
- Developed/Configured scheduled reports using crystal reporting tool in Accela.
- Primary owner for managing/updating/verifying old features and fine tuning the performance .
- Accountable for writing SQL Queries as per BU

### Containerization Tools

- Docker
- Amazon ECS

### Pipeline and ETL Tools

- Apache Airflow

### Project Management Tools

- Jira

## Operating systems

- RedHat
- Linux 4/5/6/7
- Windows
- Windows Server
- Sun Solaris

requirements.

- Maintained existing applications and designed and delivered new applications.
- Monitored and updated back-end data by inter-communicating between MYSQL and SQL.
- Configured, installed and tuned Accela Civic Platform based systems for performance in Oracle databases.
- Prepared detailed reports on updates to project specifications, progress, identified conflicts and team activities.
- Gathered data on integration issues and vulnerabilities and reported all findings, including improvement recommendations
- Created procedures for system monitoring, recovery, backup and optimization.
- Revised, modularized and updated old code bases to modern development standards, reducing operating costs and improving functionality.

**2017-01 -  
2019-10**

### Associate IT Applications Specialist

*Symantec Software India Pvt Ltd, Pune*

Joined as Master Level Intern (Jan 2017) and Promoted as Full Time employee in a span of 6 months in July 2017.

I was involved in Automation and scripting for DBA Team on MySQL and Sql Databases, accountable for development,automation/Shell Scripting using Python .

- Created Installation & Backup Monitoring Script Using Shell Script for all the MySQL DB's.
- Performed POC for Oracle to MySQL Migration using Ispirer which reduced licensing cost for Oracle DBA's.
- Automated SOX Audit Report Using Python which lessened the manual effort of the team for quarterly publishing.
- Built a DBA Dashboard which was leveraged across the team to support on call in day to day activities.

- Responsible for rebuilding the 3S Mobile application which greatly improved the teams experience along with customer satisfaction as this helped us notify the customers on/before their license expiration.
- Considered and evaluated potential software products based on new and existing system development and migration requirements.
- Collaborated with Release engineering business unit team members to design new applications system to enhance client requirements for system applications

## Academic Background

2014-01 -  
2017-01

**Master of Computer Applications:  
Information Security**

*Pune University - Pune*

2012-01 -  
2014-01

**Bachelor of Computer Applications:  
Artificial Intelligence**

*Admerit - Affiliated To Sikkim Manipal University -  
Patna*