**Pratyush Kumar Sahoo**

[ksahoopratyush7@gmail.com](about:blank) | [LinkedIn](https://www.linkedin.com/in/pratyush-kumar-sahoo-b94402219/) | [GitHub](https://github.com/Namikaze007) |+91 9438566392

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**PROFESSIONAL SUMMARY**

Experienced Software Engineer Trainee with a proven record in data science, & project management. Skilled in Python, Django, & SQL, with a strong foundation in machine learning and deep learning. Demonstrated success in developing and implementing new features, resulting in increased user engagement by 30%. Adept at utilizing AWS services for enhanced functionality & scalability. Looking to leverage technical expertise towards innovative software solutions.

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**EXPERIENCE**

**Software Engineer Trainee: WagerGeeks** *(Mar 2023 – Present)*

* Developed and implemented new features for the esports gaming backend system, leading to a 30% increase in user engagement
* Integrated Elastic Search using Docker, improving search functionality by 50% & reducing query response time by 40%
* Enhanced communication capabilities by adding email-sending features using AWS, SES, SMTP Gmail, and SendGrid

**Data Science: Analytic Labs** *(Feb 2023 – Apr 2023)*

* Conducted data cleaning and preprocessing tasks using NLP, resulting in a 20% improvement in data quality and accuracy, leading to more reliable insights and analysis
* Developed a function to extract text from PDF files, automating the process and reducing manual effort by 80%
* Utilized Transformers in PyTorch to build a semantic model, achieving a 15% increase in accuracy compared to existing models
* Acquired knowledge on time series forecasting (ARIMA & LSTM), allowing for accurate predictions & insights

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**PROJECTS**

**Customer Management System**

* Developed web app with registration, login, logout, and order features using Django, Postgres, and AWS EC2
* Integrated AWS RDS (Postgres) for database and S3 bucket for hosting static files
* Implemented user and admin permissions for CRUD operations on orders

**Time series Forecasting**

* Utilized Python and ML algorithms for Time Series Forecasting and visualization of groundwater depth
* Conducted Augmented Dickey-Fuller test for stationary testing and employed ARIMA, PMDARIMA, and Prophet models for forecasting
* Extracted valuable insights and visualized the results, providing accurate predictions for groundwater levels

**Natural Language Processing**

* Achieved 98.6% accuracy in patient condition classification using NLP methods and TF-IDF model
* Utilized drug review dataset for visualization (word cloud) and exploratory data analysis (EDA)
* Implemented lemmatization, stop words removal, and TF-IDF model to predict patient conditions

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## SKILLS

* Python
* Django
* SQL
* Machine Learning
* Deep Learning
* AWS
* Git
* Statistical Analysis
* Time Series Analysis
* Natural Language Processing (NLP)
* Exploratory Data Analysis (EDA)

# CERTIFICATIONS

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* Training on python, DS & ALGO from [Coding Ninjas](about:blank)
* [Django Developer](about:blank)
* NLP with [Python](about:blank)
* Data science Bootcamp from [Eupep technologies](about:blank)
* PostgreSQL from [Udemy](about:blank)

# EDUCATION

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## Silicon Institute of Technology, Bhubaneswar *(Aug 2018 – Jun 2022)*

## B.Tech – EEE, 7.99