SUMIT MISHRA

INFORMATION

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Mumbai

PROFILE

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SKILLS

- **Programming languages:** Python, ASP.NET, C#, PHP, Java, C++.
- **Machine Learning:** K-NN, Logistics regression, Linear Regression, SVM, Naive Bayes, Data Mining, Decision Tree, Recommendation system.
- **Deep Learning:** Neural networks, Tensorflow, Keras, CNN, LSTM, BERT, YOLO, MobileNet.
- **Other technologies:** HTML, CSS, JavaScript, , Pandas, Numpy.
- **Databases:** MySQL, SQL Server.
- **Tools & technologies:** Visual studio, Netbeans, Eclipse, Filezilla, Jupyter Notebook, Google Colab.

PROFESSIONAL EXPERIENCE

Data Science & Business Analytics Intern

The Sparks Foundation

03/2021 - Present

- ✓ Wrote codes to collect, crunch and analyze data from internal and external sources.
- ✓ Built and tuned various machine learning models using Python, and scikit-learn.
- ✓ Created linkages between various data to enable predictive modeling and trend analysis on a given datasets.
- ✓ Built various Machine Learning, NLP, Deep Learning and Computer Vision based projects.

Programmer

Tata Consultancy Services

08/2018 - 09/2019

- ✓ Applied operating system and program product fixes on regular basis.
- ✓ Making sure that the process conformity and SLA's are accomplished.
- ✓ Managed network devices, servers, batches and jobs during change to avoid irrelevant and false issue.
- ✓ Worked with different mainframe services to handle certain request.
- ✓ Contacted software vendors to report, track and resolve problems with software products.
- ✓ Coordinated external dependencies with Neighbors and SMEs.

ACADEMIC PROJECTS

- **UG final year project:**

Title: Theft Prevention using PIR sensor:

Description: Created the secured environment to avoid security vulnerability. Developed this IoT system using hardware components like Arduino UNO, PIR sensor, Buzzer, etc. and also developed user interface (website and Android App) to keep track of current and previous incidents.

Technology: Used different programming language and technologies such as C for microprocessor, C# for web-client request, different web technologies for front-end and PHP and Java for back end of UI.

- **Mini-Project Analyst of Feedback Analysis & Processing System in year 2017(1st prize).**
- **Mini-Project Developer in Multimedia subject in year 2017.**

CERTIFICATIONS

- ✓ Applied Machine Learning - ***Applied AI Course***
- ✓ Python for Machine Learning, Statistics for Data Science & Machine Learning, Data Visualization using Python, Machine Learning Foundations, Computer Vision Essentials, Introduction to Neural Networks, Cloud Foundations, etc. - ***Great Learning Academy***
- ✓ Advanced Google Analytics - ***Google***

ACHIEVEMENTS

- ✓ Won first prize in 3P (Project-Prototype-Presentation) evaluation event conducted by BSc (I.T.) Association.
- ✓ Secured 1st rank in Quiriosity (for networking based questions) event of Vihaan'18, an inter-collegiate technical fest.
- ✓ Secured 2nd rank in Iotics (developed vehicle model for vacuum cleaner and sweeping the floor) event of Vihaan'18, an inter-collegiate technical fest.
- ✓ Secured 1st rank (145/150) in Advanced Java University Examination in year 2017-18.

ML & DL SELF CASE STUDY

◆ Case Study - 1:

Title: StackOverflow Search Engine & Question Recommendation

Description: Developed a StackOverflow based question recommendation and search engine by ensuring that the search results should include the semantic meaning, with scalable architecture that return results in very less time. To do so used Natural Language Processing (NLP) which is the sub-field of Artificial Intelligence has proven to work very well in the past few years due to fast processors and sophisticated model architectures and thus has immense potential for solving various language comprehension tasks.

Technology: Python, NLP(Natural Language Processing), Pandas, Numpy, Naive Bayes, Logistic Regression, SVC, etc.

◆ Case Study - 2:

Title: Scene Text Detection, Recognition & Translation

Description: Developed a system that can detect and recognize a text from a natural scene image and then can be translated to another language that an end-user can understand. The scope of this project is limited to only one language for detecting text and then converting it to another language after recognition.

Technology: Python, Pandas, Numpy, Computer Vision, OCR, EAST library, Pytesseract, EasyOCR, ResNet, BiLSTM, STN(Spatial Transformer Network), etc.

EDUCATION

Mumbai University(2015-2018):

B.Sc.(I.T.) from V.E.S. college of Arts, Science & Commerce:

- T.Y.B.Sc.(I.T.) - 82.56%
- S.Y.B.Sc.(I.T.) - 84.20%
- F.Y.B.Sc.(I.T.) - 72.33%

H.S.C. Board(2015):

National Sarvodaya Jr. College:

- 62.62%

S.S.C. Board(2013):

Shree Sanatan Dharma Vidyalaya:

- 80.00%