Ambika Gupta

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SKILLS SUMMARY

- **Languages**: Python
- **Databases**: Sql, MySql, PostgressSQL
- **Web Technologies**: Django, Flask, ORMs, Rest APIs, Web Scraping
- **Operating System**: Linux
- **Data Science**: Supervised Learning, Unsupervised Learning, Deep Learning, Data preprocessing
- **Cloud Services**: AWS, EFS, Lambda, EC2
- **Libraries**: Pandas, Numpy, Scikit-learn, Keras
- **Others**: MS Excel, Client management, Problem Solving, Adaptive.

EXPERIENCE

- **Perceptiviti Data Solutions** — Gurgaon, India
  Senior Software Engineer — *Dec 2019 - Current*
  - Worked on the company's core product i.e. Sherlock AI. Sherlock AI is an advanced Machine Learning and Deep Learning based tool, which provides risk scoring for healthcare insurance claims.
  - Developed and tested extraction, transformation, and load (ETL) processes and trained AI models using various algorithms such as Random Forest, Gradient Boost, and Neural Networks.
  - Developed Data Pipelines to feed data into these models. Mapped and Transformed various data elements from the source to be fed into these models. Also, engineered new features for better results. And Deployed and maintained these state of the art AI models.
  - Researched and developed various functionalities for different products. Also, Created various rules for our rule engine in both Python and MySQL for our clients
  - Experienced in analyzing and translating business requirements into technical solutions.
  - Interacted with both Indian as well as international clients based in the UAE region to understand their needs and delivered optimum solutions
  - Worked as an external consultant in LSEG for a US client DataCatalyst on behalf of our company.
  - Developed data profiling, data mapping and various data analysis reports. And also, worked on quality assurance for the AI system, debugged our software and fixed the error from time to time.
  - Designed and developed an out-of-the-box application that is used to generate medical rules without any prior knowledge of programming language or database
  - Impemented various scripts to automate repetitive tasks within the organization and also automated our AI model development and performance analysis.
  - Worked as a proactive member of result oriented team with teammates from various disciplines.
  - Excellent interpersonal, analytical, troubleshooting and team building skills.

- **iCreate Technologies** — Ahmedabad, India
  Trainee Engineer — *May 2018 - Apr 2019*
  - Completed my one-year training in Python/Django framework and concepts having ML, AI, Deep Learning, NLP and Data Analysis using Python.
  - Learned about various ML algorithms like Regression (SLR, MLR, logistic), Naïve Bayes, SVM, Association Rule Mining, Clustering (k-means, Hierarchical) and AI theory, Fundamentals, Neural Networks, Supervised Learning, Unsupervised Learning, Reinforcement Learning.

ACADEMIC PROJECTS

- **CatchApp**: Developed a web application in which users can search any Application, Website and Software. It has two modules Recommendation Engine(Based on users' demographical data) and Sentiment Analysis(based on Tweets from Twitter and Play Store Comments). And the details of the Application, Website and Software come through Web Scraping. This project is based on Machine Learning, NLP and Django.
- **Tiny Tots Edification**: Developed visually appealing simple websites for schools and NGOs that featured user-friendly design and clear navigation.Worked on front-end technologies such as HTML, CSS and JavaScript

EDUCATION

- **Gujarat Technological University** — Ahmedabad, Gujarat
  Bachelor of Engineering in Computer Science; CGPA: 8.00 — *Jul 2015 - Jun 2019*
- **Shri Agrasen kanya Inter College** — Varanasi, Uttar Pradesh
  SENIOR SECONDARY; Percentage: 71 — *Jul 2013 - May 2015*