Atul Gupta

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EDUCATION

Master of Science - Computer Science   **Sep 2022 - May 2024**

Stevens Institute of Technology, Hoboken, New Jersey

GPA: 3.96

Relevant Coursework: Machine Learning, Deep Learning, Big Data, Data Mining with R, Data Structures, Algorithms

Bachelor of Technology - Electrical and Electronics Engineering   **Jun 2013 - Jun 2017**

Vellore Institute of Technology, Vellore, India

GPA: 3.0

Relevant Coursework: Probability and Statistics, Difference Equations, Data Structures and Algorithms, Robotics

CERTIFICATIONS

- [AWS Certified Solutions Architect - Associate](#)

SKILLS

- **Technical Skills:** Java/J2EE, Python, SQL, machine learning, neural networks, keras, tensorflow, AWS cloud, full stack development (HTML5, CSS, JavaScript - NodeJS, ExpressJS, ReactJS), Github, RESTful APIs, PowerShell scripting
- **Soft Skills:** Technical documentation, presentation, project leadership, mentoring, quick learner
- **Tools:** MS SQL Server (SSIS, SSRS, SSMS, SQL profiler), Jupyter, MS Visual Studio, UNIX/Linux OS, Windows

PROJECTS

- **[Credit Score Classifier](#)**   **Sep 2023 – Dec 2023**
  - ➔ Classification model on credit score data of 50k customers to predict credit score class with 90% accuracy
  - ➔ Tech stack: Python, scikit-learn, exploratory data analysis, feature engineering, data visualization using matplotlib and seaborn, machine learning modelling, parameter tuning
- **[Flight Delay Analysis](#)**   **Sep 2023 – Dec 2023**
  - ➔ Analysis and modeling of ten years of flight data, enabling predictive insights about future flights
  - ➔ Tech stack: PySpark, Big data analysis, Scikit-learn, supervised learning, unsupervised learning

WORK HISTORY

Accenture, Gurugram, India   **Jan 2019 - Jul 2022**

Application Developer

- Achieved 99.9% availability in 6000+ PMS application instances by managing server-side infrastructure
- Reduced manual effort required in code deployment by 90% using PowerShell and Python scripting
- Achieved a drastic 95% fall in human errors by integrating innovative automated workflows with human tasks
- Developed ETL pipelines using SSIS to serve data to novel interactive dashboards powering insights
- Automated the server rebuild process using shell scripting reducing downtime required by 60%
- Documented critical application failures and presented RCAs to clients explaining the issues
- Executed client approved Change Requests in SNOW to enhance application features

Tech9logy Creators, Faridabad, India   **Jun 2017 - Dec 2018**

Software Developer

- Developed microservices architecture for two clients by decoupling workflows using AWS SQS, SNS and Lambda
- Implemented RESTful APIs in API Gateway and ensured routing policies are properly articulated
- Reduced client's costs by 13% by migrating redundant storage to S3

AWARDS

- Recognized as top 1% Accenture Technology talent via the prestigious [TechStar 2022](#) award