Atul Gupta

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EDUCATION

Master of Science - Computer Science (GPA: 3.96)   **Sep 2022 - May 2024**
Stevens Institute of Technology, Hoboken, New Jersey
    Relevant Coursework: Machine Learning, Deep Learning, Agile Methodologies, Data Structures, Algorithms, Big Data

Bachelor of Technology - Electrical and Electronics Engineering   **Jun 2013 - Jun 2017**
Vellore Institute of Technology, Vellore, India
    Thesis: Optimal placement and sizing of Distributed Generation energy units using Sine-Cosine algorithm in MATLAB

SKILLS

- **Machine learning:** Numpy, Pandas, Scikit-learn, Tensorflow, Seaborn, Matplotlib, R, PySpark, Scala
- **Software Development:** Java, C++, JavaScript (Node.js, Express.js), HTML, CSS (Bootstrap), Debugging, Optimization, Code Review, PyQt5, Git
- **Databases:** SQL (MS SQL Server 2012 and above, SQLite 3.0), MongoDB
- **Cloud:** AWS Certified Cloud Practitioner (EC2, S3, RDS, SNS, Lambda, IAM)
- **Project management:** Scrum Master, Agile methodologies, Six Sigma (Lean and Yellow Belt)

ACADEMIC PROJECTS

- **Flight Delay Predictor, Stevens Institute of Technology**   **Sep 2023 – Dec 2023**
  Developed a machine learning classification model using PySpark to analyze ten years of flight delay data, enabling predictive insights for future flights
- **Solar Project Management, Stevens Institute of Technology**   **Jan 2023 – May 2023**
  Scrum Master for solar project management web app development, overseeing Agile methodologies and facilitating team collaboration to deliver a robust platform using Node.js, Express.js, basic HTML/CSS, and MongoDB, resulting in enhanced efficiency and client satisfaction
- **Recommender, Stevens Institute of Technology**   **Jan 2023 – May 2023**
  Implemented a movie recommender system by utilizing the Singular Value Decomposition (SVD) algorithm, leveraging Numpy and Pandas for efficient data manipulation and analysis
- **MasterSweep, Accenture**   **Sep 2019 – Sep 2020**
  Led development efforts as Lead Developer to create a versatile PowerShell script deployed on a centralized support server. Automated global code deployment to client servers, monitored server health, and centralized management of client MS SQL Server databases. Evolved the solution into a standalone Windows server application in Python utilizing PyQt5 for GUI development serving as a pivotal tool for numerous high-level support operations

WORK HISTORY

Accenture, Gurugram, India   **Jan 2019 - Jul 2022**
    Application Developer
- Managed 6000+ MS SQL Server instances globally, achieving over 98% uptime by optimizing SQL objects
- Received Accenture's **TechStar 2022** award (given to only 200 global employees annually), **Accenture Celebrates Excellence (ACE)** award and **Pinnacle** award for innovation and excellence
- Led seven six-sigma projects in ASP.Net framework, saving 4000+ annual man-hours
- Conducted webinar on robotic process automation and shell scripting, assisting colleagues in project ideation
- Reduced Hilton's third-party dependency by 75% through PowerShell, ASP.Net, and MS SQL Server automation

Tech9logy Creators, Faridabad, India   **Jun2017 – Dec 2018**
    Software Developer
- Contributed to Node.js backend team for Tasty Tweets bakery, collaborating with the frontend team using React.js
- Met with potential clients to understand business requirements, brainstorm technology solutions and answer queries