

# Atul Gupta

718-734-7838 | agupta50@stevens.edu | Jersey City, New Jersey | <https://atul-gupta.com>

## EDUCATION

**Master of Science - Computer Science (GPA: 3.96)**

**Sep 2022 - May 2024**

*Stevens Institute of Technology, Hoboken, New Jersey*

Relevant Coursework: 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

- **Software Development:** Java/J2EE, C++, Python, HTML, XML, CSS (bootstrap), Node.js, Express.js, jQuery
- **Databases:** MS SQL Server 2012, MongoDB
- **Tools:** Eclipse, Visual Studio, SSMS, SSIS, SSRS, Jupyter, PowerShell terminal, IIS
- **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, 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
- **Predator-Prey Simulation, NYU Tandon (Bridge to CS)** **Sep 2022 – Dec 2022**  
Created a standalone windows application in C++ to simulate the predator-prey dynamics of doodlebugs and ants in the wild.

## WORK HISTORY

**Accenture, Gurugram, India**

**Jan 2019 - Jul 2022**

*Application Developer*

- Managed 6000+ MS SQL Server instances and ASP.Net application architecture globally, achieving over 98% uptime by optimizing SQL objects and resolving various issues in the environment
- Received Accenture's **TechStar 2022** award (top 1% Accenture technology talent), **Accenture Celebrates Excellence (ACE)** award and **Pinnacle** award for innovation and excellence
- Spearheaded seven six-sigma projects in MVC application framework, saving 4000+ annual man-hours
- Conducted webinar on robotic process automation and shell scripting, assisting colleagues in project ideation
- Diagnosed and resolved performance bottlenecks in a globally utilized application

**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