

# Satyam Pandey

[in /in/pandeyssatyam](#) | [\(862\)214-1863](#) | [sp2943@njit.edu](#) | [Portfolio](#) | [GitHub](#) | [614, Harrison Ave, New Jersey, United States](#)

## Work Experience

### New Jersey Institute of Technology

Newark, New Jersey, USA

#### Research Assistant – Developer

09/2022 – Present

Worked with distinguished Professors: **Dr. Julie Ancis** (Director: Cyber Psychology), **Dr. Micale Joseph** (Finance and Accounting), **Dr. Xiaonan Tai** (Information Systems), **Dr. Ajim Uddin** (Data Mining and Machine Learning), **Dr. Yao Sun** (Interpersonal Communication), **Dr. Joshua Young** (Data Science)

- Engineered over 100 interactive data visualizations utilizing Tableau, Python Analytics and Power BI, catalyzing a data revolution and enhancing user experiences.
- Pioneered ETL techniques, igniting a phenomenal 30% average efficiency surge, and setting new standards for data processing.
- Unleashed the power of NLP and ML to craft riveting Word-Clouds, breathing life into sentiment analysis, making emotions tangible.
- Championed precision in watershed 3D spatial modelling, carving out a 5% reduction in model runtime while ensuring data accuracy.
- Crafted predictive data utopia, harnessing RStudio and Excel, fueling a 15% boost in forecast accuracy for hourly and daily data.
- Revamped data integrity using Python QA, standardized formats, vanquished missing values, orchestrating a 20% reduction in errors.
- Led a data crusade, unearthing insights from 173 crowdfunding websites through HTML wizardry, APIs, and blockchain (Ethereum: Real Token) analysis, with a spotlight on FinTech and real estate domains.
- Scripted web scrapers with finesse, harnessing Power BI and Python to orchestrate symphonies of data analysis.
- Dazzled in faculty forums, entrancing audiences with updates and visionary discussions on pathways and adept stakeholder management.
- Fueled sustainability through pioneering ESG explorations, conducting research in Environmental, Social, and Governance domains.
- Mastered intricate statistical arts, distilling profound insights from the labyrinth of Big Data, yielding a 20% accuracy boost.
- Became the maestro of categorization, assigning purpose to 100,000+ ESG keywords, crystallizing targeted insights.

### Career Development Services – Mentor

01/2023 – Present

- Orchestrated workshops-seminars attended by over 300 students, imparting invaluable industry insights and career development strategies.
- Delivered customized guidance and resources to 20+ students, resulting in heightened satisfaction rates and successful career paths.

### ZS Associates

Pune, Maharashtra, India

#### Associate Engineer

September 2019 – September 2022

- Led transformative software development employing Python, R, and SQL, achieving a remarkable 25% enhancement in system efficiency.
- Implemented scripting solutions to optimize processes, resulting in a 5% boost in server uptime and seamless accessibility.
- Demonstrated adept project management by enhancing software performance, ensuring 15-20% faster rendering through SQL wizardry.
- Championed cross-functional collaboration, delivering innovative software solutions for Cloud in strategic partnership with stakeholders.
- Optimized AWS finances, achieving a significant 15% cost reduction through strategic planning and resource allocation.
- Earned the esteemed "Best Employee" award for consistently delivering exceptional software performance and leadership.

### The Tech Inc.

Nagpur, Maharashtra, India

#### Full Stack Developer and Cyber Security Consultant

May 2018 – September 2019

- Drove a 30% surge in bookings for a travel site through strategic SEO implementation and optimizing the end user-interface.
- Achieved a 15% reduction in development time and error rates by translating client requirements into actionable test cases with precision.
- Led data optimization initiatives, boosting website speed by an impressive 30% through comprehensive website overhauls.
- Successfully attained objectives through effective leadership, managing cybersecurity professionals, and collaboration with stakeholders.
- Executed Incident response plans with precision, adeptly managing micro services security incidents, and minimizing operational impact.
- Orchestrated security audits within Agile & Scrum methodologies, ensuring adherence to industry standards and regulatory requirements.

## Education and Skills

### New Jersey Institute of Technology

Newark, New Jersey, USA

Master of Science, Computer Science | GPA: 3.92/4.00

September 2022 – May 2024

### Shri Ramdeo Baba College of Engineering and Management

Nagpur, Maharashtra, India

Bachelor of Engineering, Information Technology | GPA: 3.44/4.00

July 2015 – August 2019

**Technical Skills:** MS Suite, Excel, Data Analysis and Science, Cloud, FinTech, Financial Analysis, SQL, Python, JAVA, Cyber-Security, C++, R  
**Skills:** Critical thinking, Problem-Solving, Organization and Time Management, Leadership, Entrepreneurship, Decision-making, Integrity, Project Management, Analytical, Written and Verbal Communication skills, Negotiation, Agile, Growth-Oriented Mindset, Integrity, Continuous Learning  
**Project Portfolio:** Web and Software Development, GitHub, AWS, Azure, Network, Finance, Ecommerce, APIs, SDLC, Agile, Scrum, ML, NLP

## Achievements

**Startup Success:** Founded Backstreet Books, a thriving startup connecting students and second-hand sellers, helped students to get required books.

**Team Excellence:** Three-time Best Player of the Year prize (2016-2018) at RCOEM, showcasing leadership, teamwork, and strategic prowess.

**Event Management:** Organized LessThan60 as a Committee Member, showcasing expertise in large-scale event orchestration and collaboration.

**Financial Acumen:** Awarded Best Student in Investment & Trading (2021), equipped with strong financial analysis and decision-making skills.

**Leadership & Mentorship:** Led a team of 35, successfully conducting innovative sessions, translating knowledge into tangible financial gains.

**Revenue Enhancement:** Identified revenue opportunities via AWS quantitative analysis, enhanced by new automations for operational efficiency.