

# ASHUTOSH PANIGRAHI

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## EDUCATION

**University at Buffalo, The State University of New York** Buffalo, NY  
Master of Science in Data Science - GPA 3.32 Jan 2024 - May 2025

**National Institute of Science and Technology** Berhampur, India  
Bachelor of Engineering in Electrical and Electronics - CGPA 7.4 July 2015 - Aug 2019

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C#, C++, SQL, R, MATLAB, APEX.
- **UI/Web Development:** HTML, CSS, Angular JS, React JS, Node JS, Developing REST APIs (XML/JSON).
- **Big Data Technologies & Cloud Platforms:** Hadoop, AWS, Microsoft Azure, Kubernetes, Spark.
- **Data Analytical Tools:** Tableau CRM, SSRS, MS Excel, PowerBI, Dataloader, WorkBench.
- **Database and Storage:** MSSQL, NoSQL PostgreSQL, MySQL, MongoDB.
- **Development Tools and Concepts:** ETL, PyTorch, Kaggle, RStudio, Visual Basic Studio, OOPS, System Design, DSA, Agile Methodologies, SDLC.
- **Version Control and CI/CD:** Git, AWS Pipelines, Azure DevOps.
- **Testing and Debugging:** Apex Debug logs, PyTest.

## WORK EXPERIENCE

**Accenture Solutions Private Limited** Bengaluru, India  
Application Development Senior Analyst Dec 2019 - Dec 2023

- **Customized** Salesforce using APEX Controllers, Triggers, Visualforce Pages, and LWC, delivering scalable solutions that improved code efficiency for more than **1000+** client users effectively saving wait and load times.
- **Developed and Optimized** in back-end customizations through Apex Classes, Triggers, Batch Classes, and Test Classes to meet complex business requirements, ensuring scalable and optimized code by following Apex best practices.
- **Managed** key Salesforce configurations, including Profiles, Permission Sets, Record Types, List Views, Roles, Flexi Pages, Lightning App Builder, Organization-Wide Defaults (OWD), and sharing rules, ensuring data security and integrity.
- **Automated** business processes with declarative tools like Validation Rules, Process Builders, Workflows, Flows, and Custom Formula Fields for efficient processes without extensive coding
- **Extensive** experience with Salesforce database querying, utilizing SOQL for structured data retrieval and SOSL for efficient search across multiple objects.
- **Delivered** Salesforce Live Chat implementation, customizing the solution to enhance customer engagement and providing end-user training which reduced customer interaction time by **~50%** and increased client sales by **~10%**.
- **Improved** overall code quality by systematically increasing Apex test coverage to meet enterprise-grade deployment standards and proactively refactored legacy code components to align with Salesforce best practices, resulting in approximately 23% improvement in system run-time efficiency and performance stability.
- **Participated** in requirements analysis, design, and implementation phases of projects, providing demos to clients and collaborating with teams for feedback.
- **Contributed** to PI planning sessions, defining business requirements and translating them into actionable user stories for development.
- **Collaborated** closely with cross-functional Agile teams—including product managers, QA analysts, and stakeholders—to gather requirements, prioritize user stories, and deliver incremental Salesforce enhancements through bi-weekly sprints, resulting in continuous delivery of scalable and user-centric CRM solutions.
- **Engineered** Salesforce API integrations with third-party systems using REST and SOAP APIs, employing Named Credentials and JSON for secure, scalable, and bi-directional data exchange.
- **Implemented** robust CI/CD workflows using Git and Azure DevOps, automating deployment pipelines and version control processes to streamline release cycles and minimize manual errors.
- **Enhanced** Salesforce Sales Cloud and Service Cloud functionality by developing custom objects, page layouts, validation rules, and automation tools aligned with dynamic business needs.

## UNIVERSITY PROJECTS

**Adult Income Prediction** Python, Pandas, Sklearn, Numpy  
• Developed a model using the Adult Census Income dataset to classify individuals earning >\$50,000, achieving 88.61% accuracy through machine learning optimization.

**Uncovering Crime Trends in New York City** Python, Pandas, Sklearn, TensorFlow  
• Cleaned and preprocessed datasets for analysis, uncovering trends using statistical methods and developed a model using the New York Crime dataset to predict pattern of crimes, achieving 85% accuracy through machine learning optimization.

**Food Healthiness Scoring System** Python, Pandas, Sklearn, TensorFlow  
• Developed a food health score prediction app with barcode scanning, image upload, ingredient NLP. Achieved R<sup>2</sup> score of 0.95 using engineered features and SHAP explainability for 10M+ OpenFoodFacts records.

## ADDITIONAL

**Certifications:** **Salesforce** Certified Administrator, **Salesforce** Certified App builder, **Salesforce** Certified Sales Cloud Consultant, **Salesforce** Certified Platform Developer I  
**Awards:** **ACE (Accenture Celebrates Excellence)** [2021-22] - Received for outstanding contribution to client's business outcomes.