Pranali Chipkar

Boston, MA   8573985923   chipkar.p@northeastern.edu   in/pranali-chipkar   /PranaliChipkar

EDUCATION

Northeastern University, Boston USA

Master of Science in Information Systems   Expected May 2025
- Relevant Coursework: Application Engineering Development, Web Design and User Experience Engineering, Data Science Engineering Methods, User Experience Design and Testing

University of Mumbai, Mumbai, India

Post Graduate Diploma in Information Technology   July 2022
- Relevant Coursework: Software Engineering, Advance Java, Linux, Web Programming, Networking

Bachelor of Science in Information Technology   Oct 2020
- Relevant Coursework: C, C++, Core Java, Database Management Systems, Python, Operating Systems, Embedded Systems

TECHNICAL SKILLS

Languages/Web technologies : C, C++, Java, Python, C#, Powershell, HTML, CSS, JavaScript, TypeScript, React, NumPy, Pandas,R
Developer Tools: VS Code, NetBeans, Eclipse, Service Now, Solarwinds, Nagios, Jupyter Notebook, Balsamic WireFrames, Moqups
Technologies/Frameworks : Linux, Unix, Swing, ASP.NET, Azure, Git, Data Visualization, Statistical Analysis, Data Analysis, Data Modelling
Database: SQL, MySQL, MongoDB

EXPERIENCE

Senior Systems Associate - Infosys Limited, India   Nov 2020 – Aug 2023
- Started as an **Operations Executive**, spearheaded the creation, modification, and disabling of over **600,000 user accounts**, optimizing group memberships and directory structure, resulting in a **20% increase in operational efficiency** for Siemens Gamesa Renewable Energy (SGRE). This initiative involved meticulous analysis of user requirements, adherence to security protocols, and seamless integration with existing systems
- Developed and fine-tuned **40+ PowerCLI** and **PowerShell scripts**, automating various administrative tasks and reducing manual workload by 35%, leading to a significant increase in team productivity. This involved close collaboration with stakeholders to identify areas for automation, rigorous testing of scripts, and continuous refinement based on feedback. Earned a promotion to **Systems Associate**
- Monitored and maintained various client tools such as **Service Now, Solarwinds, and Nagios**, ensuring 99.9% system uptime and proactively resolving issues to minimize downtime. By implementing robust monitoring procedures, conducting regular audits, and implementing preventive maintenance measures, system downtime was reduced by 30%
- After achieving one more promotion to **Senior Systems Associate**, collaborated with IT professionals to optimize deployment efficiency by implementing **15+ server application scripts**, resulting in a 25% reduction in deployment time and ensuring compliance with industry standards and security policies. This was achieved through thorough impact assessments, coordination with cross-functional teams, and comprehensive documentation to support deployment processes
- Conducted comprehensive knowledge transfer sessions aimed at educating new employees on crucial data security best practices and protocols. As a direct outcome, observed a substantial **30% decrease** in **security incidents** attributed by human error
- Implemented measures to protect sensitive data and meet regulatory requirements, leading to a remarkable **40% improvement** in overall **operational efficiency and client satisfaction**. Various encryption protocols, access controls, and regular security audits were implemented to ensure compliance with industry regulations and standards, resulting in a 50% decrease in security breaches and an increase in client trust and loyalty

PROJECTS

Analysis on GDP_PPP Determinants Across Nations   Feb 2024
- Spearheaded an in-depth data analytics initiative utilizing **Python libraries** like **pandas, numpy, matplotlib, sklearn, statsmodels**,etc to delve into the determinants of **Gross Domestic Product** at **Purchasing Power Parity** (GDP_PPP) across nations.
- Applied **regression analysis** and **K-means clustering** to quantify the impact of key factors e.g., **Entrepreneurship, Quality of Life, Cultural Influence** on GDP, revealing significant associations (e.g., Entrepreneurship: $604.34).
- Implemented advanced techniques including **feature scaling** and **dimensionality reduction**, unveiling noteworthy insights into complex data patterns.
- Concluded with comprehensive findings, shedding light on the intricate relationship between socioeconomic factors and economic growth, aiding in **cluster result interpretation**.

Web-Based Coding Editor   Dec 2023
- Led development and deployment of an innovative **online code editing platform** utilizing **CSS** and **HTML** for a user-friendly interface,integrating **MongoDB** for real-time user data, achieving a **25% reduction** in **page load** times and a 40% boost in user satisfaction.
- Implemented **collaborative coding**, resulting in a 50% increase in project completion rates and utilized **TypeScript** for enhanced functionality.
- Implemented advanced **evaluation features** and **performance analytics**, enabling users to accurately track progress and performance, leading to a significant increase in user engagement.

E-commerce Food Portal: Effortless Ordering   Jul 2022
- Engineered an innovative **e-commerce food ordering application** leveraging **Java** application backend and **MySQL** database, integrated **real-time inventory** management and multi-lingual support for enhanced scalability and customer experience.
- Enhanced **cross-platform compatibility**, resulting in a 30% increase in website traffic and a 20% rise in customer satisfaction.
- Integrated **real-time delivery tracking**, reducing delivery time by 25% and boosting customer loyalty, while ensuring **data integrity** at 99.9%.

Cafeteria Management System   Sep 2020
- Designed and developed a user-friendly **college cafeteria system** with innovative features like **cashless payment options**, **performance metrics tracking**, serving a diverse **student population** exceeding **5000**.
- Optimized **inventory management**, achieving 25% reduction in discrepancies and significant cost savings.
- Utilized **MySQL** and **ASP.NET** for seamless functionality, handling multiple transactions daily with 99.9% uptime.
- Seamlessly integrated **student accounts** with robust data security, ensuring **100% secure billing** and zero data breaches.

CERTIFICATES

Computer Network Security	**Bits and Bytes of Computer Networking by Google**	**Data Scientist's Toolbox**
Udemy	*Coursera*	*Coursera*