Dhruv Saini

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EDUCATION

Northeastern University, Boston, MA - **Khoury College of Computer Sciences**   Expected May 2025
Master of Science in Computer Science   GPA: 3.5/4.0
Related courses: Algorithms, Database Systems, Machine Learning.

SRM University, Chennai, India   July 2016 - May 2020
Bachelor of Technology in Information Technology, GPA: 8.35/10.0
Related courses: Object Oriented Programming, Data Structures, Algorithms, Big Data, Software Engineering.

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C++, C#, HTML/CSS, SQL.
Framework: Spring boot, React, Node.js, .NET.
Development Technology/Tools: Git, Postman, AWS, Azure, Data factory, MySQL, Docker, Kafka.

EXPERIENCE

Khoury College of Computer Sciences, Boston, United States   May 2023 - Present
Graduate Teaching Assistant - SQL | MongoDb | AWS | RStudio
- Actively serving as a Teaching Assistant for CS5200 Database System, guiding and mentoring a class of students through database design principles and SQL.
- Offering comprehensive support, resolving queries, and providing valuable academic assessments to enhance their learning experience.

Publicis Sapient, Gurugram, India   July 2020 - December 2022
Associate Software Development Engineer - 2
Java | Spring Boot | Azure Cloud Services | Azure Data Factory
- Designed and created scalable web services for a B2B digital platform for a prominent North American client in logistics/shipping industry.
- Constructed a standalone POC on Data Factory, Resulted in reduced overall production server load by 22%.
- Designed and accomplished complex pricing and discounting engines with high code reusability and complete code coverage.
- Took individual ownership of analyzing, developing, and deploying multiple business-impacting features such as daily quotes reporting system and more.
- Recognized by development team and product owners for leadership and ownership qualities and sound business impact.

Publicis Sapient, Gurugram, India   January 2020 - June 2020
Sde Intern - React | JavaScript | Java | Spring Boot | AWS | Jenkins
- Built a web-based learning platform for incoming sapient campus interns to provide an efficient learning management system and provide systematic assessment through various contests helped in screening 5000+ campus students.
- The gamification project polished all technical as well as leadership skills as a product engineer.
- Implemented Netflix Architecture and Micro-services framework leveraging React and Java Spring Boot.

PROJECTS

Northeastern University, Bank Fraud Detection, Scikit-learn| Python | Jupiter | PyTorch| Numpy   June 2023 - Present
- Currently working on a machine learning project at Northeastern University, focused on developing a classification model for bank fraud detection using supervised learning techniques.
- Collaborating with a team to analyze a publicly available dataset and implement algorithms such as Logistic Regression, Decision Trees, and potentially Neural Networks to accurately detect and classify fraudulent activities in the banking sector.
- Employing evaluation measures, cross-validation, and feature ablation techniques to fine-tune the model's performance and ensure its ability to generalize to unseen data. Expected outcomes include improved fraud detection accuracy and enhanced trust in the banking sector.

Northeastern University, Logitt Application, Node.js | React | Redux | API | SQL   January 2023 - May 2023
- The application is an ultimate stop solution for analyzing spending patterns, helping users save money and prevent wasteful expenditures by over 20%.
- Logitt empowers users to effortlessly track and record daily expenses in preferred currency.
- With a user-friendly dashboard, it has ability to track expenses in different categories such as Shopping, Groceries, etc.
- Logitt enables its users to stay on top of spending and make more informed financial decisions.