

AMAN BANSIWAL

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OBJECTIVE

Highly skilled and result-driven software engineer with **2 years** of hands-on experience in **Full Stack development**, specializing in Angular, .Net, and web applications. Proficient in developing, testing, and deploying robust software solutions. Demonstrated expertise in debugging, troubleshooting, and maintaining software applications. Seeking the position of a Full Stack Software Engineer to leverage my technical prowess and passion for creating high-performance software applications.

EXPERIENCE

Software Engineer, *Société Générale Global Solution Center*

Oct 2021 - present | Bangalore

- Spearheaded the development and maintenance of **Angular** and **DotNet web applications**, ensuring seamless integration and delivering exceptional user experiences.
- Engineered **RESTful APIs** with **.NET Core**, enabling users to effortlessly trigger and retrieve regulatory reports from **Oracle database**.
- Pioneered a **Python**-based **machine learning model** from scratch, yielding **100% accuracy** in predicting trade data inconsistencies and generating precise validation comments for 10+ controls.
- Devised and implemented multiple **dashboard widgets**, leading to a **25% reduction** in the reporting team's workload and providing users with real-time tracking of various reports.
- Streamlined the build processes using **Jenkins** for continuous integration and deployment, ensuring unparalleled **reliability** and **scalability** of software applications.
- Conducted seamless **deployments**, provided expert support, and swiftly **troubleshooted** windows-based **IIS-Web Servers**.
- Enhanced **code quality** and security by proactively addressing major **security vulnerabilities** and eliminating sensitive information from pre-written code.
- Adopted Behavior-Driven Development (**BDD**) with **Specflow**, ensuring **automated acceptance testing** for various projects.

PROJECTS

• **Diabetic Retinopathy Grading using ATP-CNN**

Developed an innovative Attention Guided Two-Path Convolutional Neural Network to semantically segment the severity of Diabetic Retinopathy (5 levels) from fundus images with an exceptional **accuracy** score of **81.05%** and a **kappa score** of **0.7838**.

• **871m IRC Target Solution**

Spearheaded the development of a **centralized interface** using **.NET Framework** and **Angular** for the IRC project, facilitating the precise calculation of withholding tax on dividend equivalent payments under section 871(m) of the Code.

ACHIEVEMENTS

- Earned prestigious **recognition awards** for automating RC-01 controls, categorizing different breaks, and generating validation comments for each trade, **reducing manual workload** by **80%**.
- Secured the **runner-up** position in the organization's **technical debt** contest, strategically eliminating technical debt worth over 52d.
- Spearheaded **Skill-Mapper** initiatives within the organization for HackerVerse, fostering a culture of continuous learning and development.
- Ranked **#54** out of 3000 students within **NIT-Jaipur GeeksforGeeks**, showcasing exemplary academic performance and technical acumen.
- Achieved distinction by **qualifying GATE CSE 2021**, demonstrating exceptional command over Computer Science and Engineering concepts.
- Attained Top **1%** in JEE Mains 2017 and qualified JEE Advanced 2017, showcasing exceptional aptitude in engineering and problem-solving.

EDUCATION

Bachelor of Technology, National Institute of Technology, Jaipur

2017 - 2021

Major: Computer Science and Engineering

TECHNICAL SKILLS

Programming Languages	C++, C#, Python, Java, JavaScriptTypeScript, Bash (Shell Scripting), SQL
Frameworks	Angular, DotNet, Springboot
Python Libraries	scikit-learn, pandas, keras, TensorFlow, BeautifulSoup
Industry Software	Git, Sonar, Jira, Jenkins
IT Constructs	Agile, BDD, debugging, OOP, Machine Learning, REST APIs

WORKSHOPS

- Mastering Microservices with Spring Boot, IIHT 2022
- Artificial Intelligence with Machine Learning, Sphinx 2019

CERTIFICATES

- AZ-204: Developing Solutions for Microsoft Azure**, Microsoft
- AZ-900: Microsoft Azure Fundamentals**, Microsoft
- Interactive Computer Graphics**, University of Tokyo

EXTRA-CURRICULAR ACTIVITIES

- Participated in Fit4CSR (50 km cycling event) organized by WeClub, 2022.
- Participated in Run for Unity (6 km marathon) organized by CACS MNIT Jaipur 2019.
- Designed graphic posters for social media for Technical Society 2018