# Shivam Garg

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## EDUCATION

**Concordia University**                                                                 Montreal, QC, Canada
*Master of Engineering, Major in Computer (GPA: 4.06/4.3)*                              *(Jan. 2023 – Aug. 2024)*

**Thapar Institute of Engineering and Technology**                                        Patiala, PB, India
*Bachelor of Engineering, Major in Computer (GPA: 8.24/10.0)*                            *(Jul. 2016 – Jun. 2020)*

## EXPERIENCE

**Software Development Engineer**                                                        Jul. 2020 – Dec. 2022
*MSB Docs*                                                                                *Chandigarh, India*
- Drove impactful contributions among a team of 30 engineers, orchestrating the design, coding, and integration of new modules in feature-rich products built on **Angular and SpringBoot**
- Revolutionized OCR service, cutting infrastructure costs by 98% with **AWS Serverless Lambdas and Step Functions**, enhancing efficiency and cost-effectiveness.
- Introduced a Unified URL solution, streamlining the 4 regional instances of our product. Leveraged **DynamoDB sharding techniques** to ensure GDPR compliance, resulting in an enhanced user experience
- Led a 12-member backend engineering team in successfully transitioning our application's legacy **monolithic architecture to a microservices paradigm**, unlocking a multitude of advantages
- Created and deployed Microsoft and Google add-ons for our e-signing product in **JavaScript and AppScript**, eliminating the need for manual uploads and reducing manual efforts by upto 70%

**Software Engineer Intern**                                                            Jan. 2020 – Jun. 2020
*MSB Docs*                                                                                *Chandigarh, India*
- Transformed client onboarding with **Angular-based Product Tour** for intuitive navigation through key system functionalities, reducing onboarding time by 55% and eliminating the need for extensive team walkthroughs
- Designed and implemented **real-time environment whitelisting** feature, allowing customization of UI based on more than 40 individual client configurations, editable in real-time by a superadmin
- Actively solicited constructive feedback from mentors and adeptly integrated it into my tasks, showcasing a dedicated commitment to ongoing refinement and professional development

## PROJECTS

**StayInDreams** | *MongoDB, Express.js, React.js, Node.js, Firebase*                                *GitHub*
- Independently developing a real estate website using the MERN stack, integrating Google Firebase for secure and scalable image storage, allowing users to upload profile pictures and upto 6 images per listing
- Implemented robust user authentication with OAuth (Google and email-based), CRUD functionality for property listings, and an optimized search functionality with 8 filters while facilitating seamless user communication

**AutoGuard** | *Serverless, AWS DynamoDB, API Gateway, SwaggerHub*                                  *GitHub*
- Developed a vehicle authentication system employing AWS services (Rekognition, Lambda, S3, DynamoDB, API Gateway) for image processing, serverless computing, and database management
- Authored SwaggerHub documentation for project APIs, demonstrating effective communication and collaboration, while ensuring seamless integration with robust CI/CD pipeline using CodeBuild

**TalentBridge** | *SpringBoot, Vue.js, Confluence, Jira*                                            *GitHub*
- Led backend development for team of 5 using SpringBoot, facilitating freelancers to find projects and enabling seamless user connections, as well as contributed to Vue.js frontend, enhancing user experience
- Served as Scrum Master, orchestrating Agile practices, utilizing Jira for the 18 user stories and task tracking, and Confluence for documentation and UML diagrams, to ease the API integration

## TECHNICAL SKILLS

**Languages**: Java, TypeScript, JavaScript, Python, MATLAB, HTML/CSS
**Frameworks**: SpringBoot, Angular, Vue.js, React, Node.js, Tailwind CSS, JUnit, gRPC
**Developer Tools**: Maven, JUnit, NPM, Docker, Kubernetes, Jenkins, ELK Stack, Postman, AWS, Figma, SonarQube
**Databases**: MySQL, PostgreSQL, MongoDB, AWS DynamoDB
**Membership**: Golden Key International Honour Society