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# PRANSHU GUPTA

EXPERIENCE

MICROSOFT INDIA (SOFTWARE DEVELOPMENT ENGINEER) June 2017 – August 2019

Integral role in designing and developing modules for a Customer Data Enrichment Service, which serves the marketing personnel of Microsoft and helps them create better sales opportunities that generate higher revenue.

* Designed and implemented a fault-tolerant, auto-scaling, serverless, configurable, data flow orchestration layer using Azure Function apps, that supports multiple data sources, processors and targets. This delivered a 3x performance improvement & an operational cost reduction of 90% along with code coverage >90%.
* Key role in design and implementation of data standardization service that helps teams across Microsoft to standardize around 100K ambiguous user inputs/day in real time, enabling better insights from the data.
* Developed features for the front end of the Customer Data Enrichment Service. Optimized bulk file upload component of the app to improve performance by 40x. Thus, increasing user satisfaction.
* Contributed to Microsoft VS Code on GitHub, to help enable strict null check tests across the codebase.
* Responsible for end to end ownership of user stories including Development, Unit Testing, Functional Testing, Accessibility Testing, Security and CI/CD.

MICROSOFT INDIA (SOFTWARE DEVELOPMENT INTERN) May – June 2016

* Implemented an AI powered chat bot allowing users to interact with Dynamics365 in natural language.

GREENDZINE TECHNOLOGIES, INDIA (SOFTWARE DEVELOPMENT INTERN) May – July 2015

* Implemented an algorithm to optimize order picking process at e-commerce distribution centers by computing an optimal path for the order picking vehicle, thus, reducing the manual effort.

EDUCATION \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA August 2019 – May 2020

Master of Science in Computer Science, *Research Assistant at The SocWeb Lab (Fall 2019)*

INDIAN INSTITUTE OF TECHNOLOGY KANPUR July 2013 – May 2017

Bachelor of Technology in Computer Science & Engineering GPA 8/10

TECHNICAL SKILLS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Machine Learning, AI | PyTorch, ScikitLearn, OpenCV, OpenAI |
| Microsoft Azure | Cognitive Services, Logic Apps, Service Bus, AAD, Key Vault, AppInsights |
| Programing Languages | C/C++, C#, Python, PowerShell, TSQL, HTML, JavaScript, CSS |
| Platforms, Frameworks & Tools | .NET Framework, Django, Angular, NodeJS |

PROJECTS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Content aware image completion | <https://github.com/Pranshu258/Image_Completion> | 2018 |
| A survey of algorithms inspired by nature | <https://arxiv.org/abs/1903.01893> | 2018 |
| Crowd behavior analysis | <https://github.com/Pranshu258/Crowd_Behavior_Analysis> | 2016 |
| PyCS: A compiler for C# in Python | <https://github.com/Pranshu258/csharp-compiler> | 2016 |
| Skylines for multi-criteria data analysis | <https://github.com/Pranshu258/RSNC> | 2016 |
| Renju: A board game in Python | <https://github.com/Pranshu258/Renju> | 2014 |

TRAINER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

INTRODUCTION TO WEB DEVELOPMENT (ACA, IIT KANPUR) 15 May – 27 May 2017

Imparted training on web development with HTML, JavaScript and NodeJS to a group of 40 students