

PRANSHU GUPTA

prangupt@gatech.edu ◇ (+1) 9282658937 ◇ Website - <https://pranshu258.github.io/> ◇ Atlanta, Georgia

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

Machine Learning, AI

PyTorch, ScikitLearn, OpenCV, OpenAI

Microsoft Azure

Cognitive Services, Logic Apps, Service Bus, AAD, Key Vault, AppInsights

Programming Languages

C/C++, C#, Python, PowerShell, TSQL, HTML, JavaScript, CSS

Platforms, Frameworks & Tools

.NET Framework, Django, Angular, NodeJS

PROJECTS

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