

# PRANSHU GUPTA

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## EXPERIENCE

### MICROSOFT INDIA (SOFTWARE DEVELOPMENT ENGINEER)

June 2017 – Present

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.

- 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 data.
- Integral role in designing and developing a fault-tolerant, auto-scaling, serverless data flow orchestration layer that supports multiple data sources, processors and targets, with a **3x performance improvement**.
- 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

- Designed and implemented Customer complaint management and Product data management systems for semi-automated e-commerce warehouse order picking vehicles manufactured by the organization.
- 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

### INDIAN INSTITUTE OF TECHNOLOGY KANPUR

July 2013 – May 2017

Bachelor of Technology in Computer Science & Engineering

GPA 8/10

## PROJECTS

### PyCS: C# COMPILER (COMPILER DESIGN)

Implemented an end to end compiler for C# in Python, translating C# programs into Intel x86 machine instructions. Handled selection statements, loops, methods, arrays, scopes and standard input/output

### CROWD BEHAVIOR ANALYSIS (ARTIFICIAL INTELLIGENCE)

Implemented a system that detects abnormal activity in a crowd with data from the movements of individuals.

### CONTENT AWARE IMAGE COMPLETION (COMPUTER VISION)

Implemented content aware image completion by computing offset statistics of similar patches in input image.

### SKYLINES FOR MULTICRITERIA DATA ANALYSIS (DATABASE QUERIES)

Designed and implemented an algorithm to extract diverse and representative skylines with high confidence from multicriteria data in which absolute comparison between items is impossible due to noise.

### TELEMETRY AND ANALYTICS (SOFTWARE ENGINEERING)

Implemented a service that can be plugged in to web apps to visualize the live usage and demographic data, enabling developers to take informed decisions about product marketing and lifecycle.

## TECHNICAL SKILLS

Microsoft Azure

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

Programming Languages

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

Frameworks & Tools

OpenCV, .NET Framework, ScikitLearn, Django, Angular, NodeJS

## 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