

PRANSHU GUPTA

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EXPERIENCE

MICROSOFT INDIA (SOFTWARE DEVELOPMENT ENGINEER)

12 June 2017 – Present

Developing modules for marketing software offering, Customer Data Enrichment Service (CDES), that serves the marketing personnel of Microsoft and helps them create better sales opportunities that generate higher revenue.

- Optimized bulk company mapping feature in the CDES Portal, delivering a **40x performance improvement**.
- Implemented an API to translate natural language inputs for the employee ranges of organizations in leads submitted by marketers, impacting the classification of around **150K leads per month**.
- Implemented a cloud based, highly scalable and fault tolerant lead enrichment flow using Logic Apps and Service Bus, delivering a **3x performance improvement** while processing **around 1 million leads per month**.
- Designed and implemented a separate lead enrichment flow for monthly bulk activity avoiding unnecessary third-party service calls, **saving around \$10K per month**, with the same level of scalability and fault tolerance.
- Responsible for end to end ownership of user stories including Development, Unit Testing, Functional Testing, Accessibility Testing, Security and CI/CD.

INTERNSHIPS

MICROSOFT INDIA (SOFTWARE DEVELOPMENT INTERN)

2 May – 24 June 2016

- Implemented a chat bot using Microsoft Bot Framework and Microsoft LUIS (Language Understanding Intelligent Service) API allowing sellers to interact with Microsoft CRM Dynamics in natural language.

GREENDZINE TECHNOLOGIES, INDIA (SOFTWARE DEVELOPMENT INTERN)

4 May – 10 July 2015

- Designed and implemented Customer complaint management and Product data management systems
- Optimizing order picking at e-commerce distribution centers by computing optimal path for the picker

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

July 2013 – May 2017

B. Tech in Computer Science & Engineering

GPA 8/10

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

ACADEMIC PROJECTS

CROWD BEHAVIOR ANALYSIS

Detecting abnormal behavior using individual trajectories

SKYLINE QUERIES ON DATABASES

Computing representative skylines on data with noisy comparisons

C# COMPILER

End-to-End compiler for C# implemented in Python

IMAGE COMPLETION

Restoring missing parts of an image using patch offsets

ONLINE SCHOOL MANAGEMENT SYSTEM

A web application to manage administrative tasks in schools

SURVEY PROJECT

A survey of algorithms inspired by nature (ACO, PSO, SA, EA)

TECHNICAL SKILLS

Programming Languages (Proficient)

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

Programming Languages (Familiar)

Java, PHP, TypeScript

Frameworks and Tools

OpenCV, ScikitsLearn, Django, Angular, NodeJS