

# PRANSHU GUPTA

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## MICROSOFT INDIA (SOFTWARE ENGINEER)

12 June 2017 – Present

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

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## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY KANPUR

July 2013 – May 2017

B.Tech in Computer Science & Engineering

GPA 8/10

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## INTERNSHIPS

### MICROSOFT INDIA

2 May – 24 June 2016

- Implemented a chat bot allowing sellers to interact with Microsoft CRM Dynamics in natural language
- The Bot was built using LUIS (Language Understanding Intelligent Service) & Microsoft Bot Framework

### GREENDZINE TECHNOLOGIES, INDIA

4 May – 10 July 2015

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

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## PROJECTS

### CROWD BEHAVIOR ANALYSIS

Detecting abnormal behavior using individual trajectories

### DATA ANALYTICS AS A SERVICE

A service to visualize consumer and product usage data

### 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

### NACHOS OPERATING SYSTEM

Extending the NachOS operating system

### SURVEY PROJECT

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

### MINOR PROJECTS

Renju Game, Emacs Doctor, Robot Motion Learning

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## TRAINER

**Web Development** (15th May - 27th May 2017, Association for Computing Activities, IIT Kanpur)

- Imparted training on web development with HTML, JavaScript and NodeJS to a group of 40 students
- Developed training materials (sample code and docs) to help students review the course taught

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## TECHNICAL SKILLS

Programming Languages (Proficient)

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

Programming Languages (Familiar)

Java, PHP, TypeScript

Frameworks and Tools

OpenCV, Scikits Learn, Django, Angular, NodeJS

Software and Utilities

Adobe Photoshop, Adobe Premiere Pro, Autodesk Inventor