

PRANSHU GUPTA

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EXPERIENCE

Microsoft India

June 2017 - Present

Software Development Engineer

- Integral role in designing and developing modules for a Customer Data Enrichment Service, that serves the marketing personnel of Microsoft and helps them create better sales opportunities.
- Key role in design and implementation of data standardization apis that help teams across Microsoft to standardize ambiguous user inputs obtained from various sources, enabling better insights from data.
- Integral role in designing and developing a fault-tolerant, auto-scaling, serverless data flow orchestration layer that can support multiple data sources, processors and targets.
- Proficient in Azure Technology stack - Logic Apps, Function Apps, Cognitive Services, Data Factories, Service Bus, Key vault, Application Insights, Active Directory, PowerShell and .NET Framework.
- Responsible for end to end ownership of user stories including Development, Unit Testing, Functional Testing, Accessibility Testing, Security and CI/CD.

Microsoft India

May 2016 - June 2016

Software Development Intern

- 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

May 2015 - July 2015

Software Development Intern

- 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 semi-automated order picking vehicle

EDUCATION

Indian Institute of Technology Kanpur

July 2013 - June 2017

Bachelor of Technology

Overall GPA: 8/10

Department of Computer Science and Engineering

PROJECTS

Crowd Behavior Analysis

January 2016 - April 2016

Artificial Intelligence

IIT Kanpur

- Crowd behavior analysis has wide applications in surveillance and public safety. Implemented a system that can detect abnormal activity in a crowd from trajectories extracted from individuals' movements.

Content Aware Image Completion

January 2016 - April 2016

Computer Vision and Image Processing

IIT Kanpur

- Implemented content aware image completion by computing statistics of offsets between similar patches in the input image and filling the missing parts with appropriate content based on the offset statistics.

Representative Skylines with Noisy Comparisons

Aug 2016 - Nov 2016

Multicriteria Data Analysis

IIT Kanpur

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

PyCS - C# Compiler

January 2016 - April 2016

Compiler Systems Design

IIT Kanpur

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

Telemetry Analytics

Aug 2016 - Nov 2016

Data Visualization and Application Insights

IIT Kanpur

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

Online School Management System

January 2017 - April 2017

Database Systems

IIT Kanpur

- Developed a web based application that allows the school management to maintain admissions, courses, grades and other student related information, along with providing analytical data visualizations.

HACKATHONS

DigiPrint

June 2018

Whack-A-Thon

Microsoft India

- An AI-powered Chrome extension that helps readers to better analyze their reading and plan their writing through sentiment analysis. Placed **second** among all of Microsoft India Campus Hires.

TECHNICAL STRENGTHS

Computer Languages

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

Frameworks & Tools

Azure, OpenCV, ScikitsLearn, Django, Angular, NodeJS

RELEVANT COURSES

IIT Kanpur

Artificial Intelligence, Computer Vision, Online Learning and Optimization
Software Engineering, Computer Security, Design and Analysis of Algorithms
Algorithmic Game Theory, Compilers, Operating Systems, Database Systems

POSITIONS OF RESPONSIBILITY

Indian Institute of Technology Kanpur

15 May - 27 May 2017

Trainer, Association of Computing Activities

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