

Partha Dhar

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Noida

UP, India

EDUCATION

Indian Institute of Technology Delhi

Computer Science and Engineering, Minor in Economics

July 2017 – May 2021

GPA: 9.71/10

Delhi Public School Noida

Class XII

Class X

April 2003 - March 2017

96.2%

GPA: 10/10

EXPERIENCE

Rubrik, Inc.

Software Engineer — Team Galactus

Remote

June 2021 - Present

- Implemented user onboarding flows for storage tiering - archiving snapshots to cheaper storage options like AWS S3
- Enabled file versioning for uploads to Azure Blob Storage, to ensure immutability of backups
- Designed and implemented the secure handling of user database credentials for Azure SQL Server protection
- Enhanced the internal in-memory cache library to respect TTL for values and reduce time and memory overheads
- Co-mentoring an intern for a six month period; Driving improvements in the on-call process to reduce weekly engineer load

INTERNSHIPS

Rubrik, Inc.

Software Engineering Intern — Team Galactus

Remote

April 2020 - July 2020

- Created a unified interface for sharing Azure access tokens to allow multiple jobs using the same resource to run in parallel
- Handled deadlocks and race conditions at the database to allow simultaneous requests for the same token while being scalable
- Deployed to production for all Polaris customers, resolving 1000+ failures seen each month; Received an FTE return offer

McGill University

Research Intern — Institute of Health & Social Policy (Prof. Chris Barrington-Leigh)

Montreal, Canada

May 2019 - July 2019

- Developed an open-source Python package for interfacing with Stata, keeping data and results as Pandas DataFrames
- Received funding of CAD 7,000 as a part of selection in the *Mitacs Globalink Research Internship* program

PROJECTS

PageRank using MapReduce

Course Project — Parallel and Distributed Computing

Prof. Rijurekha Sen

March 2020 - May 2020

- Implemented the PageRank algorithm using three different variations of MapReduce to compare performance on benchmarks
- Achieved 3x speedup over existing standard libraries using our custom MapReduce implementation built with C++ MPI

Humsafar — Chatbot for transport solutions

Jio Coding Hackathon — 2nd Runner Up

Inter IIT Tech Meet

December 2018

- Built using the Microsoft Bot Framework SDK in Node, for hailing Ubers and travel enquiries on cheap feature phones
- Scraped railway data using Python for live status and booking confirmations due to a lack free official/unofficial APIs

ACHIEVEMENTS

- **IOITC 2017:** Among the 27 students invited to the training & selection camp for the 29th IOI (Team India)
- **IIT Delhi Merit Award:** In the top 7% in academic performance among 70+ students in semesters I, II, IV, V and VIII
- **Convocation Awards:** Received *five* convocation awards instituted by alumni, for displaying all-round excellence
- **Quizzing:** Elected head of the Quizzing Club; Scored 50+ podium finishes in various institute and national-level quizzes
- **B-83 Merit Award:** Awarded the scholarship twice, for a stellar academic record, funded by the batch of 1983
- **DISA 2018:** Received the *Design Innovation Summer Award* for the project *Automation of Thermoforming Machine*
- **NTSE Scholar:** Among the top 750 (out of 800,000+ students) in the National Talent Search Examination 2015
- **KVPY Fellow:** All India Rank 168 (out of 100,000+ students) in KVPY(SA) 2015 conducted by Government of India

TECHNICAL SKILLS

Go, Python, C++, OCaml, Java, MATLAB, VHDL, ARM Assembly, SQL, HTML, CSS, JavaScript, Git

RELEVANT COURSEWORK

Data Structures & Algorithms *, Operating Systems *, Software Design Practices *, Programming Languages, Computer Architecture, Artificial Intelligence, Computer Networks, Algorithm Design, Machine Learning, Parallel & Distributed Computing, Database Systems, Algorithmic Game Theory, Compiler Design (* = also as **Teaching Assistant**)