

Pratik Padalia

Software Engineer experienced in building scalable and robust systems with the ability to work in a fast paced environment.

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EXPERIENCE

Akridata, Bangalore — Member of Technical Staff

January 2019 - PRESENT

Product development activities aiming **data processing** and **data management** solutions for datacenter pipelines generating high volumes of data.

- Designed and developed **multi node fault tolerant asynchronous upload service** facilitating the workflow runtime reduction by over 60%.
- Implementation of a robust **pub sub** model on directed acyclic graphs for the core **data pipeline** with parallel execution of requests.
- Designed and implemented **dynamic GPU memory allocation** policy.
- Development of computationally heavy containerised processing units.
- Azure blob store and catalog support in the framework

IIT Bombay, Mumbai — Summer Intern

May 2017 - July 2017

Developed a learning management system with customizable tools.

SculptSoft, Ahmedabad — Summer Intern

May 2016 - July 2016

Developed an admin dashboard to track user activities.

EDUCATION

School Of Engineering and Applied Science — Ahmedabad University

B. Tech, Information and Communication Technology [2015 - 2019]

Gold Medallist - CGPA : 3.82

Atul Vidyalaya — High School (ICSE)

HSC - 91.60% [2015] | SSC - 82.83% [2013]

PROJECTS

Multi Cloud Encrypted File Storage — Java

Built a service to upload/download files encrypted using Chinese Remainder Theorem stored in AWS S3 based MinIO store across multiple buckets.

Online Outlier Detection — Research, FPGA, Verilog [Team Size: 2]

Designed a system to detect outliers in real time data using Cook's Distance minimizing the use of memory.

Process Migration and Load Balancing — C++ [Team Size: 2]

Simplistic load balancer for two homogenous instances with checkpointing based migration of running process.

Hand Gesture Recognition — Python, OpenCV [Team Size: 4]

Developed a utility tool to carry out system operations using hand gestures.

SKILLS

Java, Python, C++
Hadoop, Docker, Kubernetes
AWS, Azure, Linux

ACHIEVEMENTS

Star Employee Award
Akridata [2019]

Gold Medallist
Ahmedabad University

ACM ICPC
Kharagpur Region [2018]

Winner
Ingenious Hackathon [2017]

Runners up
HackNight 1.0 [2019]

Runners up
Codefi [2017]

PAST POSITIONS

Teaching Associate
Operating Systems

Course Facilitator
Applied CS, Google

Coordinator and Mentor
Programming Club, SEAS

Problem setter
Codefi and Codefeeder

EXTRA CURRICULAR

High Jump
Bronze Medallist
AISM [2012]

Football
State Semi Finalist [2010]

Badminton
State Level [2008]