

Praveen Balireddy

Github | Portfolio | LinkedIn
+91-9002287313 | praveeniitkgp1994@gmail.com

EDUCATION

IIIT HYDERABAD

M.TECH. IN COMPUTER SCIENCE
ENGINEERING
Post Grad 2020 | Hyderabad, India
GPA: 9.38 / 10.0
Teaching Assistant - Operating
Systems

IIT KHARAGPUR

B.TECH. IN MECHANICAL
ENGINEERING
June 2016 | Kharagpur, India
GPA: 8.24 / 10.0

ACHIEVEMENTS

- **AIR-1069** IIT-JEE and **AIR-454** IIST
- Among Top **450 Students (Top 1%)** in Indian National Physics Olympiad
- Awarded **Institute Blue** and **Best Outgoing Sports** at IIT Kharagpur
- **Dean's list** award for being in **top 5%** of batch at IIIT Hyderabad
- **KickStart** 2019 Round-F **Rank-362**
- **Facebook Hackercup** 2020 Round-2 **Rank-1217**

SKILLS

LANGUAGES

- C/C++ • Python • Java • Bash
- Typescript • SQL

TECHNOLOGIES/Frameworks

- Spring boot • Kafka • REST • gRPC
- Protobuf • Prometheus • Grafana
- ELK • React • Redux • Git • HTML
- CSS • GoJS

OS/Platforms

- Linux • Raspberry Pi • Arduino • Android

EXTRA-CURRICULAR

- **Secretary**, Technology Students Gymkhana, IIT Kharagpur
- **Captain**, Patel Hall Basketball team, IIT Kharagpur
- **Gold** and **Silver** in Cricket at Inter IIT Sports Meets
- Represented **Andhra Pradesh U-14** state cricket team

EXPERIENCE

DESHAW INDIA PVT LTD | SENIOR MEMBER TECHNICAL - R&D TECH

June 2020 - Present | Hyderabad, India

- Working as a **fullstack** developer in building a **micro services** based workflow orchestration platform **from scratch**
- Design and end-to-end development of 2 microservices using Spring boot, and implemented several other features requiring interaction with other services
- Built a communication module over Kafka for internal usage within the project
- **Lead UI developer** for the web interface of the product
- Set up the monitoring and logging infrastructure for the backend services
- Promoted to Senior Member Technical in **minimum** possible tenure of 1.5 yrs
- Mentored an intern during 2021 summers, and currently mentoring 5 women students as part of **DESIS Educare** programme

SIEMENS TECHNOLOGY | SUMMER INTERN

May 2019 - July 2019 | Bengaluru, India

- **Energy demand Forecasting** for Indian Railways for Maharashtra region
- **Weld anomaly detection** in steel galvanization line
- Work involved implementation of **LSTMs, Autoencoders**

QUANTIUM ANALYTICS | ANALYST - FMCG

Jan 2017 - July 2018 | Hyderabad, India

- Worked for retail clients in Australia to answer business questions using **Woolworths** customers data
- Automated several dashboards from database querying to report generation

AMAZON | AREA MANAGER - OUTBOUND

June 2016 - Oct 2016 | Hyderabad, India

PROJECTS

HOME AUTOMATION - IOT | C++, PYTHON, GRPC, PROTOBUF, ANDROID, ARDUINO, RASPBERRY PI, NRF24L01

Built a home automation system which allows controlling home appliances via an android app through the home Wi-Fi network.

PASTRY - DISTRIBUTED HASH TABLE | C++, PROTOBUF

Built a distributed hash table with data replication across 3 other nodes along with lazy and timely repair to ensure efficient routing and no data-loss.

MINI TORRENT | C++, PTHREAD

Built a file sharing system with fallback synchronized multi-tracker system and parallel downloading. Implemented own RPC mechanism for data sharing.

HG COMPILER | C++, FLEX, BISON, LLVM

Designed a C like programming language(Hg) using context free grammar. Built compiler using flex, bison and LLVM for generating machine code.

DROPBOX | PYTHON, FLASK, JQUERY, BOOTSTRAP, SQLITE

Built a dropbox like web application with features like user authentication, download, upload, copy, move, share, etc.