

# Abhinav Gupta

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## Work Experience

### QUALCOMM

Hyderabad, India

ENGINEER

Dec 2021 – Present

- Designed and implemented userdata encryption solution for Hibernate feature (low power mode) on various Android and IoT chipsets, improving KPI by 30%.
- Executed Security side bring-up on various IoT chipsets, managing OTA updates, user data encryption, and transport layer features.
- Enhanced the full disk encryption feature to dynamically adapt based on client configuration.
- Worked on migration of bug tracking infrastructure from Perl to ReactJS-based webapp.

### MATHWORKS

Bangalore, India

SOFTWARE ENGINEER

Jul 2021 – Nov 2021

- Designed and implemented web applications to visualize large unprocessed backend data using ReactJS and Material UI. Used custom hooks from react redux for state management.
- Worked on maintenance of MATLAB cpp codebase.

## Education

### IIT(INDIAN INSTITUTE OF TECHNOLOGY), DHANBAD

Dhanbad, India

M.TECH in COMPUTER SCIENCE & ENGINEERING, GPA: 8.05

Jul 2019 – Jun 2021

### INDERPRASTHA ENGINEERING COLLEGE

UP, India

B.TECH in COMPUTER SCIENCE & ENGINEERING, GPA: 8.00

Jul 2013 – May 2017

## Projects

- **Camp Aggregator Web App** [↗](#)  
Deployed and implemented full stack web app with CRUD functionality and authentication, authorization features using Bootstrap5, ReactJs for frontend, NodeJs and Express for routing and backend server functionality and MongoDB for the database.
- **RSVP - Event Management System** [↗](#)  
Implemented a event management platform using MERN stack, which enables users to create a event and tracks the guests who are interested in attending event, along with the venue details for the guests.
- **Alien Invasion Game** [↗](#)  
Developed a first person shooting game using pygame module in python language.
- **Movie Recommendation System** Complete development of recommendation system using IMDB 5000 movie dataset to build a content based recommendation engine.

## Honors & Awards

2022 Orion Award at Qualcomm  
2021 CODE to JAPAN Algorithm Contest – **Rank 524**  
2019 GATE CSE – **All India Rank 531**  
2017 Google India Challenge Scholarship recipient  
2017 Passed graduation with honors

Qualcomm, Hyderabad  
IIT(ISM), Dhanbad

## Technical Skills

**Programming Languages:** Java, Python, C/C++, HTML, CSS, Javascript

**Libraries/Frameworks/Tools:** ReactJS, Flask, Kubernetes, IntelliJ, VSCode, Bash, Vim, Spring-boot

**Databases:** Redis, PostgreSQL, MSSQL, OracleDB

**Systems/Platforms:** Git, Perforce, Linux/Windows Family, Docker