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# Experience

**Intel India Pvt. Ltd June 2021 – Present**

*Software Developer Bangalore, India*

* Spearheaded the development of a Real-time Bug Management Tool and a Log Analysis Web Tool, resulting in a remarkable improvement in team efficiency and system reliability.
* Achieved a significant reduction in error analysis time, leading to a 90% decrease from 3 hours to approximately 20 minutes, resulting in a substantial enhancement in reporting accuracy.
* Achieved fast bug dispositioning and failure reporting, streamlining processes, and enhancing overall productivity and response time.
* **Technologies: | Django , Flask , M o ngo D B, Kafka , Redis , A WS ( La mb da , S 3 , EC 2 )**

**Intel India Pvt. Ltd Aug 2020 – June 2021**

*Graduate Technical intern Bangalore, India*

* Developed and implemented various services for the GTA portal, driving seamless user experience and improving customer satisfaction levels by 0.2 percent.
* Build Web Application ACM used for games and OTT accounts distribution in time division manner for graphic testing to employees across the organization.
* **Technologies: Django, Flask , P os tg re SQL .**

# Projects

**Real-time Bug Management Tool** *| Django, Django Rest API, MongoDB, Kafka, Redis, AWS (SNS, S3, EC2)*

* developed a bug management tool tailored for efficient handling of graphic driver issues. Testers can easily report bugs, attaching evidence for better understanding. The tool automates bug disposition, swiftly directing them to the respective development teams. Additionally, I implemented robust authentication and authorization mechanisms. As a result, bug reporting time was halved, significantly improving workflow efficiency.
* Leveraged AWS cloud solutions (SNS, S3, EC2) to ensure scalability and robustness, significantly improving real-time processing capabilities and system performance.

**Log Analysis Web Tool** *| Django, MongoDB, Docker, Amazon S3, Microservices*

* Developed a web-based log analysis tool, leveraging a microservices architecture to enhance result reporting on each driver. This solution dramatically reduced error analysis time from 3 hours to approximately 20 minutes and saved 2 hours per user in reporting activities.
* This tool coordinates Runners and Clients for test execution, collects and presents results from Runners and sends test assets and commands to Clients, collects test artifacts and results from them.
* Integrated AWS services for improved scalability and storage solutions, including AWS Lambda for serverless computing and Amazon S3 for log file storage, facilitating a robust and scalable cloud-based environment.

**Platform Status Notifier System***| Python, Flask, WebSocket*

* Engineered a Platform Status Notifier system in Flask, designed to monitor platform responsiveness during

Continuous Integration (CI) cycles. This system efficiently detects any unresponsiveness or downtime, immediately alerting the relevant teams.

* Implemented WebSocket for real-time communication, ensuring instant notification delivery to concerned teams upon detecting downtime, significantly reducing reaction times to platform issues.

**Education Thapar Institute of Engineering & Technology Aug 2019 – June 2021** *M.tech in Computer Science Patiala, Punjab*

**College of Engineering Roorkee Aug 2013 – Aug 2017**

*B.tech in Computer Science Roorkee, Uttarakhand*

# Technical Skills

**Languages**:Python, Javascript, Java

**Frameworks/Tools**: Django, Flask, REST-API, Git, AWS EC2/S3, SNS, Lambda, Kafka

**Databases/Technologies**: MongoDB, MySQL, PostgreSQL

# Leadership & Achievements

* Recieved Star Performer Award at INTEL for high quality deliverables in short span.
* Achieved a remarkable 98th percentile score in the GATE exam, demonstrating exceptional proficiency and aptitude in the respective field.