Ritik Garg

SOFTWARE ENGINEER

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Summary

Driven software engineer with a passion for programming in all its forms. Dedicated to achieving excellence and making a positive impact on society through the development of high-quality software solutions. Ready to tackle complex challenges and deliver exceptional results.

Work Experience

MICROSOFT CORPORATION   *Noida, India*

SOFTWARE ENGINEER 🔗   *Aug 2022 - Present*

- Co-created *TL Showcase*, enabling summer camp sessions, boosting website impressions by **30%** and recording **5000+** registrations in a week.
- Revolutionized provider onboarding with a *Quick Wizard*, slashing completion time from **20** to **3 mins** and dramatically reducing drop-off rates.
- Engineered a DB utility for seamless data amendment and sanity checks, serving as the primary tool for resolving **ICMs** and DRI tasks.
- Transformed TL India's provider onboarding by building *Provider Ingestion Script*, enabling **6000+** providers and driving key OKR success.
- Enabled **350+** subjects/exams and led Takelessons India's *Telemetry* program by creating ADF Pipelines and Kusto queries for improved insights.
- Achieved record **2-week** delivery of Flip's *Quick Actions* feature on Android, elevating user experience and bolstering Play store ratings.
- Used technologies like, .net, NextJS, React, GraphQL, PowerBI, Azure Function, ADF, Azure Data Storage, KQL (Kusto), App Insights and Android.

MICROSOFT CORPORATION   *Noida, India*

SOFTWARE ENGINEER INTERN 🔗   *Jan 2022 - July 2022*

- Led end-to-end delivery of Whiteboard team's *Link Unfurling* feature, elevating user engagement and retention from **23%** to **33%**.
- Wrote unit, integration and visual tests for the feature in order to increase robustness.
- Used technologies like, React (with UI libraries), Redux, TypeScript, JEST, Cypress and Azure DevOps.

MICROSOFT CORPORATION   *Bengaluru, India*

SOFTWARE ENGINEER INTERN   *May 2021 - July 2021*

- Implemented automation to send Emails and Microsoft Teams updates to the test owners after intelligent analysis of internal failure reports.
- Built a full-fledged chat bot with NLP and Azure services, integrated it with MS Teams and internal Full-stack application for easier access.
- Used technologies like, Azure, Node (basic), React, TypeScript, Kusto, NLP and acquired a Pre Placement Offer (PPO)

Projects

COVID-19 Surveillance System 🔗   *Python, Deep Learning, SQL, Twilio*

HACK-JAIPUR (HACK-A-THON)

- Built and trained a Deep learning model to detect masks with accuracy of **87 %**.
- Integrated Twilio API to send automated messages when mask is not found.
- Used QR library for scanning the details and SQLite for database.

TRAVEL COMPANION 🔗   *JS, React, Material-UI, Google APIs*

PERSONAL PROJECT

- Easy access to the destinations around you with Geo-location and live data from RAPID API.
- Used Google Maps API to provide interactable Map with information on the Map in form of cards.
- Used Google Search API to implement auto-complete search and detailed card functionality.

Education

Birla Institute of Technology, Mesra   *Ranchi, India*

B.TECH IN ELECTRONICS AND COMMUNICATION   *August 2018 - June 2022*

- CGPA: 8.66/10

Awards & Recognitions

2023	**SPOT Award - Microsoft**, Received SPOT Award for engineering excellence at Takelessons, India.	*Microsoft*
2020	**General Secretary - ROBOLUTION**, Participated in ABU Robocon, lead Lock-A-Thon during COVID-19	*BIT Mesra*

Accomplishments

2021	**4* Codechef**, Maximum Rating 1967.	*Codechef*
2020	**All India Rank 8**, in Hack-Japiur with 500+ teams participating.	*Jaipur (Virtual)*
2020	**Secured 207Th Rank**, in Codechef November challenge among 15000+ participants.	*Codechef*
2020	**Secured 243Rd Rank**, in Codechef DIV-1 contest.	*Codechef*
2020	**All India Rank 28**, in the first round of ABU Robocon.	*BIT Mesra*
2018	**Runner Up**, IoT competition held by IIT Varanasi	*BIT Mesra*