

UTKARSH GUPTA

New Delhi, Delhi

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EDUCATION

Netaji Subhas University of Technology
B.Tech - CGPA - 8

08/2019 – 07/2023
Delhi, India

Manav Sthali Senior Secondary School
CBSE - Percentage - 93.2%

04 2017 – 04/2019
Delhi, India

TECHNICAL SKILLS

Languages: Python, Java, C++, Dart, JavaScript, SQL, NoSQL
Developer Tools: VS Code, Android Studio, IntelliJ Idea Ultimate, XCode, Unity
Web Development: ReactJS, Redux, NodeJS, ExpressJS, Mongo
App Development: Flutter, React Native
Automation and Tools: Selenium, Scrapy, WebRTC, Socket.io, Linux, Git
Cloud Tools: GitHub, AWS, DigitalOcean, Azure, Firebase, Vuforia

WORK EXPERIENCE

Samsung R&D Institute - Bangalore
Software Engineer

08/2023 – Present
Bangalore, India

- Optimized network switching algorithm on device, leveraging a **deep learning** solution, **reducing the latency by 300%**
- Created internal automation tools, **reducing developer workload by 30%**, allowing focus on high-impact projects.
- Designed scalable solutions for cross-device connectivity, supporting **10M+ Galaxy ecosystem users**.
- Mentored new team members** on advanced machine learning frameworks, enhancing Multi-Device Experience.

Shakespeare AE
Technical Lead

10/2022 – 8/2023
Delhi, India


- Rebuilt a Flutter app using a custom dev-focused design system with reusable components, **reducing code duplication by 40%**.
- Curated a **custom heavy animation focused** UI, with custom paths and transforms, resulting in increased user **retention by 20%**.
- Migrated backend architecture from **Hasura to Node.js** with MongoDB, **improving API response time by 25%**.
- Designed and implemented a **complete PoS system** with cashier, captain, user, and admin applications, automating restaurant operations and potentially **reducing staff load by 30%**.

Kalpas Innovations
Core Developer

09/2021 – 01/2022
Delhi, India

- Created a Flutter app centered on **online dating** outsourced by **African company - LetsLiink**
- Optimized the existing code, **reducing crashes by 50%**, by utilizing **lazy loading** and **fixing memory leaks**
- Enabled features like **real-time video calls** and **geospatial match-making**.
- Utilized **Firebase** for **realtime database** and **Firebase Cloud Messaging**, facilitating **event-driven operations**, reducing load on MongoDB by **25%**.

PROJECTS

NaviFinder  | MongoDB, Flask, React Native, PyTorch, SciPy

03/2022

- Developed a **Hybrid Application** facilitating seamless **indoor and outdoor** navigation, enhanced with **machine learning**.
- Enabled precision navigation using **mobile sensor data** coupled with WiFi and GPS, **improving accuracy by 20%**.
- Qualified** for the **finals** in the **Smart India Hackathon** under **ISRO's** problem statement.

NSUTx | Flutter, Dart, Firebase

10/2021

- Reimagined my university's portal as a **Hybrid Application** for better **convenience** and a much more **modern UI**.
- **Released** the application on **Google Play**, getting **10K+** downloads and a lot of happy reviews.
- [Download](#)

ConnectX | MongoDB, Express.js, React.js, Node.js, Socket.io, WebRTC, AWS

08/2021

- Built a platform for **online video conferencing** facilitating **real time communication** with chat and file sharing capabilities.
- Enhanced the platform with an **event calendar** and **co-operative whiteboard**

Sensus | MongoDB, Express.js, React.js, Node.js, AWS



10/2020

- Leveraged **Natural Language Processing** in a simple journalling application to enable **mood sensing**.
- Created a user friendly **dashboard** that could show aggregated and insightful data points useful for **observation of mental health**.
- Achieved over **85% accuracy** in mood prediction, measured over **1000+** journal entries, both real and web-scraped.

COURSEWORK / SKILLS

- | | | |
|--------------------------------|-------------------------------------|--------------------------|
| • Data Structures & Algorithms | • Database Management System (DBMS) | • OOPS Concept |
| • Operating Systems | • Artificial Intelligence | • Hybrid App Development |
| • Full Stack Development | | • Deep Learning |

CERTIFICATIONS

- The Complete Web Development Bootcamp - Udemy 
- The Complete Flutter Bootcamp - Udemy 
- Data Science Master Course - Coding Blocks

ACHIEVEMENTS

- **Finalists** of **Smart India Hackathon 2022** under **ISRO's** problem statement.
- Secured **12th** position among **6700** participants in **CodeJitsu, IIT Guwahati**.
- **Winner** of **EduThon, IIIT Lucknow Hackathon**, competing against **600+** teams.
- Achieved top **1.7 percentile** in **JEE Mains 2019**.