

UTSA AHMED

PERSONAL PROFILE

Actively pursue a challenging role in the networking industry, leveraging my extensive experience in full-stack development, client and stakeholder collaboration, requirement analysis, technical and functional documentation, and problem-solving abilities. Open to opportunities in Kolkata, Bangalore, and Hyderabad

CONTACT

- +91- 9088264711
- <mailto:utsaahmed@gmail.com>
- [LinkedIn](#)
- <https://github.com/utsaa>
- [Leetcode](#)

CORE COMPETENCIES

- Software Development Lifecycle
- Customer Relationship Management
- Design, Coding & Testing
- Technical & Functional Documentation
- Troubleshooting & Debugging
- Application Support & Maintenance
- Design & Solution Architecture
- Project Delivery & Management
- Code Reviewing & Refactoring

PROFILE SUMMARY

- Accomplished full-stack developer** with about 2 years of extensive experience in **Software Development**
- Skilled in **interacting with end clients to understand workflow & business model** and brainstorm feasible solutions
- Currently contributing to the Networking domain as a **Software Development Engineer** at Tarana Wireless, Inc., managing regression dashboards and optimizing system performance
- Proficient in **Java, Python, JavaScript, C, C++, HTML, CSS, MySQL, and Dart**
- Experienced in using developer tools such as VS code, Git/GitHub, Android Studio, PyCharm, Jupyter Notebook, and Linux
- Well-versed in technologies and frameworks including SpringBoot, Django, jQuery, ReactJS, NodeJS, ExpressJS, MongoDB, and Flutter
- Strong knowledge of data structures and algorithms, OOPs, operating systems, computer networks, DBMS, design patterns, LLD, and HLD
- Dynamic & self-starter with strong will to win, possess strong interpersonal, communication, analytical & troubleshooting skills
- Patient & adjustable with the ability to grasp new concepts quickly and utilize the same in a productive manner.

AWARDS

- Achieved a 3-star (700+ problems) rating on Leetcode, showcasing problem-solving skills and algorithmic expertise
- Solved 1000+ problems across various competitive coding platforms
- All India 10th Rank in GATE AE, 2019
- Performed proscenium theatre with national theatre groups including Nandikar

WORK EXPERIENCE

Jun'22- Present | Tarana Wireless Inc., Pune | Software Development Engineer

Technologies Used: Java, Python, GRPC, Networking, SQL, Redis

Key Result Areas:

- Spearheading the management of regression dashboards and drive continuous improvement in system performance through innovative strategies and techniques
- Conducting comprehensive testing & analysis of network packets, extracting vital information to enhance network optimization and troubleshooting
- Carrying out Rigorous Testing of gRPC calls and implementing innovative concurrency solutions to improve responsiveness & scalability
- Designing and implementing highly efficient caching strategies, leveraging the power of Redis to optimize system performance
- Deploying cutting-edge pagination techniques to significantly enhance system performance

Highlights:

- Successfully reduced latency to one-fourth of previous levels through effective caching strategies and pagination techniques

EDUCATION

- M.Tech., Aerodynamics - Indian Institute of Technology Bombay, Jul 2019 to Jun 2021
- B.Tech., Aerospace Engineering - Indian Institute of Engineering Science and Technology, Shibpur, Jul 2014 to Jun 2018

SOFT SKILLS

- Change Agent
- Collaborator
- Communicator
- Innovator
- Planner
- Thinker

PERSONAL DETAILS

- **Date of Birth:** 23rd June 1994
- **Languages Known:** English, Hindi, Bengali
- **Address:** Pune, India

PROJECTS

ShoppingKart | Java | SpringBoot | Load Balancing | Rate Limiting | JWT | Api Gateway | MySQL | Redis | MySQL

Key Result Areas:

- Designed and implemented a robust E-Commerce Back-End System leveraging SpringBoot, with advanced techniques such as client-side load balancing, rate limiting, circuit breaking, Redis caching, and JWT authentication

Chat- Application | Java | SpringBoot | Web socket | JavaScript | Microservices | Concurrency | MySQL

Key Result Areas:

- Developed a WhatsApp-inspired chat application with real-time messaging capabilities and a custom pub-sub system for offline message queuing

MyGuntella | Java | Networking

Key Result Areas:

- Developed a P2P file sharing system with caching mechanism and integrated dynamic supernodes for optimized load balancing

Http- Server | Java | Concurrency

Key Result Areas:

- Designed and implemented a high-performance HTTP server in Java, capable of handling up to 50,000 concurrent requests

My- Awesome Cart | Python | Django | JavaScript

Key Result Areas:

- Architected and implemented an e-commerce web application featuring dynamic cart manipulation, order tracking, and efficient database management

INotebook | MongoDB | Express Js | React Js | Node Js

Key Result Areas:

- Implemented a collaborative web-based notebook application facilitating note editing among students in a classroom setting

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, C, C++, HTML, CSS, MySQL, Dart
- **Developer Tools:** VS code, Git/GitHub, Android Studio, PyCharm, Jupyter Notebook, Linux
- **Technologies/ Frameworks:** SpringBoot, Django, jQuery, ReactJS, NodeJS, ExpressJS, MongoDB, Flutter
- **General:** Data Structure & Algorithms, OOPs, Operating System, Computer Networks, DBMS, Design Patterns, LLD, HLD