

Rohan Sharma

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EXPERIENCE

Software Engineer II

Nov 2022 – Present

Statiq

Gurgaon, HR

- Engineered a robust backend infrastructure for the *Charging Station Management System (CSMS)* that improved data retrieval speed by 40%, enhancing the overall user experience for over 500 active users monthly.
- Designed and implemented a caching strategy using Redis that improved data retrieval times by 40%, enhancing the overall performance of the *CSMS* for user interactions.
- Engineered a comprehensive Charger Logistics Management System that enhanced station installation processes for 50+ stations.
- Conducted a thorough analysis of existing database structures and implemented best practices for data management; established a comprehensive documentation framework for future reference, reducing onboarding time for new hires by 30%.

Software Engineer

Aug 2020 – Jul 2021

Ivy

Hyderabad, TS

- Engineered robust backend systems for a *Bingo* game using Python and MySQL, resulting in a seamless real-time gameplay experience via WebSocket that enhanced user engagement for over 5,000 active players weekly.
- Created tools for back-office operations, improving game monitoring and management efficiency.
- Focused on code quality through reviews and testing, enhancing system reliability.

Software Developer

Jun 2018 – Jul 2020

ZestIOT - IoT/AI-powered aviation platform

Hyderabad, TS

- Engineered a robust backend for an airport turnaround SaaS platform that processed 500,000+ IoT data points daily, transforming raw data into actionable insights for improved operational efficiency and decision-making.
- Developed a real-time system to calculate Off-Block Time for planes, streamlining airport operations.
- Designed and implemented a computer vision solution that tracked airport retail passenger footfall and conversion rates.

PROJECTS

Timetable Management System | *Node.js, Express.js, HTML/CSS*

Sep 2017 – Dec 2017

- Created a system for scheduling and managing academic timetables.
- Designed an intuitive interface for easy creation and modification of timetables for institutions.
- Integrated database management for storing course schedules and room allocations.
- GitHub: github.com/grep-rohan/Timetable-Management-System

Gender Recognition by Voice | *Python, Scikit-Learn, R*

Apr 2017 – May 2017

- Trained and tested multiple machine learning models to predict gender using voice samples.
- Achieved 97% accuracy using a Multi-Layer Perceptron (MLP) and compared the performance of different models.
- Focused on optimizing model performance through feature extraction and preprocessing.
- GitHub: github.com/grep-rohan/GenderRecognitionByVoice

EDUCATION

BML Munjal University

Gurgaon, HR

Bachelor of Technology in Computer Science

Sep 2014 – Aug 2018

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS

Frameworks: FastAPI, Django, Flask

Databases: MySQL, MongoDB, Redis

Middlewares: REST, AMQP, WebSocket, RPC

Developer Tools: Git, Linux, AWS, VS Code