Arsalan Ahmad Sheikh

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EDUCATION

Indian Institute of Technology — Hyderabad, IN
B.Tech in Electrical Engineering and Engineering Science; GPA: 7.65 — Aug. 2019 – Apr. 2023

EXPERIENCE

Kore.ai — Hyderabad, IN
Associate Backend Engineer — June 2023 - Present
- **Integrations**: Responsible for integrating AgentAssist service with third parties including but not limited to Salesforce, Genesys, NiceCX and Talkdesk.
- **Middleware**: Creating middleware services to convert the data within different proprietary formats like Salesforce, NiceCX, Genesys.

Office of Career Services, IITH — Hyderabad, IN
Technical Lead — Apr 2022 - Mar 2023
- **Skill-based Filtering**: Implemented skill-based filtering to give employers a wider choice while selecting candidates based on their skill and experience in addition to their degree and branch.
- **Maintenance**: Responsible for end to end maintenance of the servers and the code-base.
- **Bug Fixes**: Rolling out major fixes monthly and nightly bug fixes as reported by the users.

Mable.ai — Karlsruhe, DE
Software Developer — Feb 2023 - May 2023
- **Automation**: Responsible for automating a portion of the client onboarding flow.
- **Data Sanity**: Created a system to check for inconsistencies between datapoints from Mable, Pixel and Shopify trackers.

SuperPe (earlier mewt) — Bengaluru, IN
Backend Developer Intern — Dec 2022 - Feb 2023
- **API Enhancement**: Added filtering and Paging to the endpoints for existing and new personnel information.
- **Metrics Calculation**: Implemented Metrics calculation (e.g, revenue, referral points, agent earnings, etc) as defined by the product team. Used the same by converting it into a cronjob for less overhead calculation.
- **API Documentation**: Added documentation and models as per OpenAPI specification for endpoints written in FastAPI.

Samsung Research — Bengaluru, IN
Software Development Intern — May 2022 - July 2022
- **File Comparison Tool**: : Similar to version control file comparison but works on tree-like input text files (marker could be indentation, braces or custom defined). Can be invoked from Command line, or a CI/CD pipeline, or via an endpoint and outputs a neat color coded PDF of the difference tree.

Office of Career Services, IITH — Hyderabad, IN
Backend Developer — Apr 2021 - Mar 2022
- **Testing**: Testing the endpoints and enabling bug fixes wherever required.
- **DB Automation**: Cleaning the duplicate and redundant data from the DB with Python and JS Scripts.

PROJECTS

- **Word2Video**: Takes all instances of a word from a PDF and make extended frames into a video using ffmpeg.
- **BLE Image transfer**: Transfer Image from Web-Bluetooth to a BLE receiver and display on an E-Paper display.
- **Concentration Prediction**: Protein concentration prediction using ML algorithms and deploying the prediction mechanism over college intranet via FastAPI.
- **Multiplayer Wordle**: Wordle for CyberCon with backend evaluation and scoring mechanisms to avoid word-le-aking.

PROGRAMMING SKILLS

- **Languages**: Python, Javascript, C, C++
- **DB**: MySQL, MongoDB, PostgreSQL, Redis
- **Tools and Testing**: Postman, Docker, Github, Nginx, Cloudflare (DNS and Tunnels), SSL with Certbot, AWS
- **Frameworks**: ExpressJS, ReactJS, Django, DRF, FastAPI, Numpy, Pandas