Tushar Singla

B.E (Hons.) Mechanical Engineering
Birla Institute of Technology and Science, Pilani

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EDUCATION

•**B.E (Hons.) Mechanical Engineering and M.Sc Chemistry** *2019-24*
Birla Institute of Technology and Science, Pilani CGPA: 7.33

EXPERIENCE

•**Full Stack Developer** *May 2024 - Present*
Dreamdax Technology (Tech Stack - ReactJS , NodeJS, MongoDB)

- Developed and maintained full-stack features for WordPromise's website using **React.js** for the front end and **Node.js** with **Express.js** for the back end.
- Implemented **AWS cloud services** with **Cloudflare** for secure data storage, hosting, and backup management.
- Ensured robust **authentication and authorization** mechanisms using JWT and OAuth.
- Implemented CI/CD pipelines for **automated deployment** and **continuous integration.**

•**Full Stack Developer** *July 2023 - April 2024*
Alts Wealth (Tech Stack - React Native , Python Flask, NodeJS, MongoDB, Redis)

- Engineered and launched **two fintech products**, **Digital Will** and **Portfolio Review Tool**, using **React Native**, tailored for the affluent Indian market.
- Developed and optimized **8 microservices** with **Python Flask**, adhering to RESTful architecture and implementing request caching with **Apache Kafka**
- Authored **advanced algorithms** for the **Portfolio Review Tool using Node.js** to enhance its analytical capabilities.
- Managed and maintained the AWS infrastructure, utilizing **AWS ECS** and **Docker** for seamless deployment.
- Developed **multiple internal tools**, including a **user dashboard** application using React, an email triggering tool, and a custom notification system for the mobile app.

•**Software Intern** *May 2021 - July 2021*
Swecha

- Contributed to developing the Swecha Speech Recognition Model
- Assisted in training and testing the speech recognition system using various datasets.
- Participated in regular code reviews and debugging sessions to enhance the overall performance of the model.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Javascript, Typescript
Libraries : ReactJs, Redis, Beautiful soup, Apache Kafka
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks: React Native , Flask, ReactJs , NextJs
Cloud/Databases:MongoDb, Redis, Apache Kafka

POSITIONS OF RESPONSIBILITY

•**Executive Member** National Service Scheme , Pilani *Aug 2019- July 2022*

- Consulted 100+ students, mentoring them in their academic pursuits as well as in their career plans in future.
- Delivered Seamless experience for 300+ specially-abled Students, organizing sports events under Junoon 19

•**Executive Coordinator**Bits Embryo *May 2022- April 2023*

- Organised 5+ talk shows conducted during APOGEE 2023(Tech Fest)